

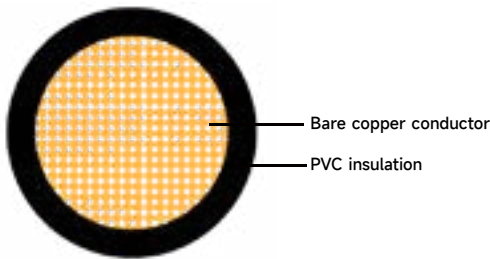


INDUSTRY CABLE

Empowering Connectivity Enabling Progress

Welcome to KMCABLE GROUNP CO., LTD, leading cable manufacturing company dedicated to providing high-quality and reliable cable solutions for diverse industries. With a strong focus on innovation, technology, and customer-centricity, we have been serving our clients' needs since 2011.

H05V-K/H07V-K



Standard and Approval:

NF C 32-201-3
CE Low Voltage Directive 73/23/EEC and 93/68/EEC

Cable Construction:

Fine bare copper strands
Strands to VDE-0295 Class-5, IEC 60228 Class-5
Special PVC TI1 core insulation
Cores to VDE-0293 colors on chart

Technical Characteristics:

- Working voltage: 300/500v (H05V-K)
- Working voltage: 450/750v (H07V-K)
- Test voltage: 2000V(H05V-K)/2500V (H07V-K)
- Flexing bending radius: 6 x Ø
- Static bending radius: 6 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: NF C 32-070 IEC60228-1-2
- Insulation resistance: 10 MΩ x km

Cross Section:

0.5mm²-240mm²

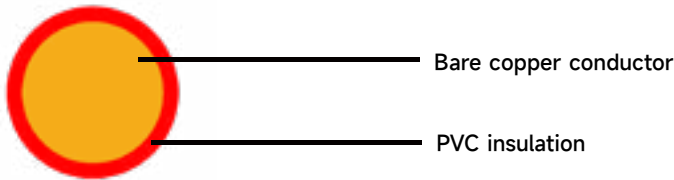
H05V-K

AWG	NOMINAL CROSS SECTIONAL AREA mm2	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
20	1×0.5	2.22	9.1
18	1×0.75	2.40	11.7
16	1×1	2.55	14.4

H07V-K

ELAND PART NO	NOMINAL CROSS SECTIONAL AREA mm2	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
16	1.5	3.00	20.1
14	2.5	3.65	31.5
12	4	4.20	46.2
10	6	4.80	65.1
8	10	6.25	109.4
6	16	7.40	165.2
4	25	9.40	253.4
2	35	10.40	345.5
1/0	50	12.55	492.4
2/0	70	14.10	669.3
3/0	95	17.20	910.4
4/0	125	17.70	1129.4
300 MCM	150	19.60	1401.0
350 MCM	185	23.00	1741.0
500MCM	240	26.40	2267.5

H05V-U/H07V-U



Standard and Approval:

<HAR> HD 21.3 S3, VDE-0281 Part-3, CEI20-20/3,
CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Solid bare copper single wire
- Solid to DIN VDE 0295 cl-1 and IEC 60228 cl-1

Technical Characteristics:

- Working voltage: 300/500v (H05V-U)
- Working voltage: 450/750v (H07V-U)
- Test voltage: 2000V(H05V-U)/2500V (H07V-U)
- Minimum Bending Radius
 - Up to 10mm²: 3 x overall diameter
 - 10mm² to 25mm²: 4 x overall diameter
 - Above 25mm²: 5 x overall diameter

- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +90° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

Application:

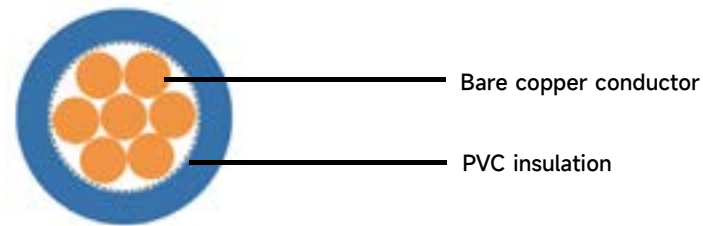
Building wire is suitable for power and lighting circuits and building wiring. The cable is intended for use in semi-flush exposed conduits and embedded conduits as well as in closed installation ducts, and is ideal for the internal wiring of appliances.

Colour codes

Colour	Black	Blue	Grey	Green/Yellow	Red	Yellow	Brown	White
Code	BK	BL	GR	BL	Rd	YW	BR	BR

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weigh t kg/km
20	1×0.5	0.6	2.1	8.44
18	1×0.75	0.6	2.2	11.02
17	1×1	0.6	2.4	13.85
16	1×1.5	0.7	2.9	20.2
14	1×2.5	0.8	3.5	31.9
12	1×4	0.8	3.9	46.98
10	1×6	0.8	4.5	71.04
8	1×10	1	5.7	118.61

H05V-R/H07V-R



Standard and Approval:

<HAR> HD 21.3 S3 , BS 6004 „VDE-0281 Part-3 , CEI 20-20/3
CEI 20-35 (EN60332-1) , CEI 20-52
CE Low Voltage Directive 73/23/EEC and 93/68/EEC

Cable Construction:

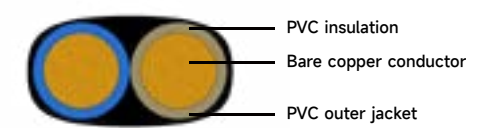
Bare copper solid/strands conductor
Strands to VDE-0295 Class-2, IEC 60228 Cl-2
Special PVC T11 core insulation
Cores to VDE-0293 colors on chart

Technical Characteristics:

- Working voltage: 300/500v (H05V-R)
- Working voltage: 450/750v (H07V-R)
- Test voltage: 2000V(H05V-R)/2500V (H07V-R)
- Minimum Bending Radius
 - Up to 10mm²: 3 x overall diameter
 - 10mm² to 25mm²: 4 x overall diameter
 - Above 25mm²: 5 x overall diameter
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

AWG	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
16	1.5	0.7	2.9	22
14	2.5	0.8	3.6	32
12	4	0.8	4.1	50
10	6	0.8	4.7	71
8	10	1	5.9	110
6	16	1	6.8	164
4	25	1.2	8.4	256
2	35	1.2	9.4	346
1/0	50	1.4	11	473
2/0	70	1.4	12.7	674
3/0	95	1.6	14.7	913
4/0	120	1.6	16.2	1150
300MCM	150	1.8	18	1416
350MCM	185	2	20	1749
550MCM	240	2.2	23	2317
	300	2.4	25.2	3049
	400	2.6	28.4	3657
	500	2.8	31.8	4700
	630	2.8	38.1	5890

H05VVH2-F



Standard and Approval:

<HAR>HD 21.12; HD 308 S2, DIN VDE 0281 part 1, part 12,
DIN VDE 0293 part 308, DIN VDE 0295
CEI 20-20/12, CEI 20-35 (EN60332-1) / CEI 20-37 (EN50267),
CENELEC HD 21.12 S1 /EN50265-2-1

Cable Construction:

- Bare copper fine wire conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation T13 to VDE-0281 Part 1
- Green-yellow grounding (3 conductors and above)
- Color coded to VDE-0293-308
- PVC outer jacket TM3

Technical Characteristics:

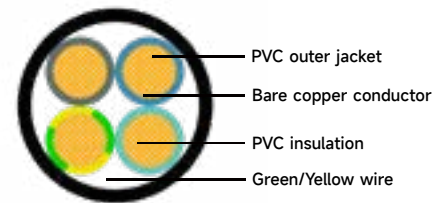
- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 x Ø
- Flexing temperature: +5° C to +90° C
- Static temperature: -40° C to +90° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2 x 0.75mm²-3 x 4mm²

Nominal Cross Section mm ²	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2X0.75	2×24/0.2	0.6	0.8	37
2X1.0	2×32/0.2	0.6	0.8	61.1
2x1.5	2×30/0.25	0.7	0.8	85
2x2.5	2×49/0.25	0.8	1	128
2x4	2×56/0.3	0.8	1.1	185
3x0.75	3×24/0.2	0.6	0.8	65
3x1.0	3×32/0.2	0.6	0.8	77
3x1.5	3×30/0.25	0.7	0.8	104
3x2.5	3×49/0.25	0.8	1	159
3x4	3×56/0.3	0.8	1.1	228

H05VV-F



Standard and Approval:

<HAR>CEI 20-20/5 / 20-35 (EN60332-1) /20-52, 0.5 - 2.5mm² to BS6500, 4.0mm² to BS7919, 6.0mm² generally to BS7919,VDE0281, CENELEC HD21.5,

Cable Construction:

- Bare copper fine wire conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation T12 to VDE-0281 Part 1
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- PVC outer jacket TM2

Technical Characteristics:

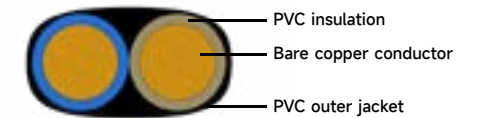
- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2 x 0.75mm²-4 x 6.00mm²

AWG	Nominal Cross Sectopm mm ²	NOMINAL THICKNESS OF INSULATION MM	Nominal Overall Diameter mm	Nominal Weight kg/km
18	2x0.75	0.6	6.4	57
18	3x0.75	0.6	6.8	68
18	4x0.75	0.6	7.4	84
18	5x0.75	0.6	8.5	106
17	2x1	0.6	6.8	65
17	3x1	0.6	7.2	79
17	4x1	0.6	8	123
17	5x1	0.6	8.8	87
16	3x1.5	0.7	7.6	115
16	3x1.5	0.7	8.2	111
16	4x1.5	0.7	9.2	142
16	5x1.5	0.7	10.5	176
14	2x2.5	0.8	9.2	134
14	3x2.5	0.8	10.1	169
14	4 x 2.5	0.8	11.2	211
14	5 x 2.5	0.8	12.4	262
12	3 x 4	0.8	11.3	233
12	4 x 4	0.8	12.5	292
12	5 x 4	0.8	13.7	369
10	3 x 6	0.8	13.1	328
10	4 x 6	0.8	13.9	490

H05VVH2-F



Standard and Approval:

<HAR>HD 21.12; HD 308 S2, DIN VDE 0281 part 1, part 12, DIN VDE 0293 part 308, DIN VDE 0295 CEI 20-20/12, CEI 20-35 (EN60332-1) / CEI 20-37 (EN50267), CENELEC HD 21.12 S1 /EN50265-2-1

Cable Construction:

- Bare copper fine wire conductor
- Stranded to DIN VDE 0295 cl. 5, IEC 60228 cl. 5 and HD 383
- PVC core insulation T13 to VDE-0281 Part 1
- Green-yellow grounding (3 conductors and above)
- Color coded to VDE-0293-308
- PVC outer jacket TM3

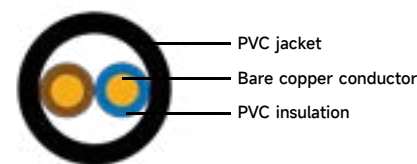
Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 x Ø
- Flexing temperature: +5° C to +90° C
- Static temperature: -40° C to +90° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2 x 0.75mm²-3 x 4mm²

Nominal Cross Sectopm mm ²	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
2X0.5	2x16/0.2	0.5	3.3x5.4	30
2X0.75	2x24/0.2	0.6	4.0x6.4	37
2X1.0	2x32/0.2	0.6	4.2x6.8	61.1
2x1.5	2x30/0.25	0.7	4.6x7.6	85
2x2.5	2x49/0.25	0.8	5.7x9.4	128
2x4	2x56/0.3	0.8	6.4x10.6	185
3x0.75	3x24/0.2	0.6	4.0x8.8	65
3x1.0	3x32/0.2	0.6	4.2x9.1	77
3x1.5	3x30/0.25	0.7	4.7x10.5	104
3x2.5	3x49/0.25	0.8	5.9x13.3	159
3x4	3x56/0.3	0.8	6.6x15.6	228



Standard and Approval:

DIN VDE 0250, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

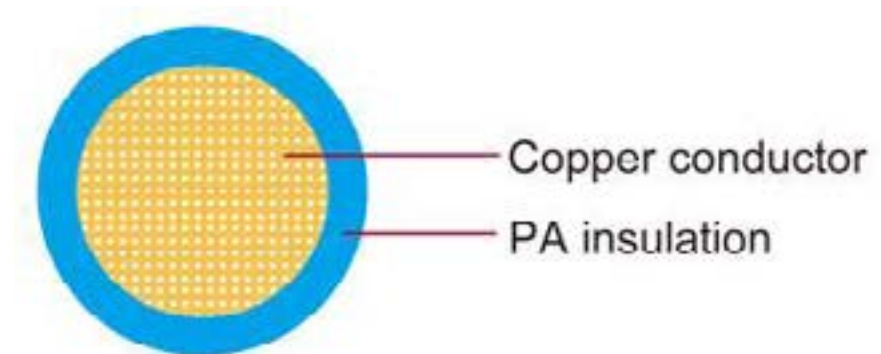
- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC insulation TI1 to DIN VDE 0281 part 1
- Color coded to DIN VDE 0293-308
- Conductors stranded in layer
- High flexible PVC outer jacket type TM1, according to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: +5° C to +70° C
- Fixed installation temperature: - 40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >20 MΩ x km

Item Spec.	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
NYM 2Cores	2x1.5	0.7	10	84
NYM 2Cores	2x2.5	0.8	11	116
NYM 2Cores	2x4	0.8	12.5	154
NYM 2Cores	2x6	0.8	13.5	201
NYM 2Cores	2x6	0.8	14	211
NYM 3Cores	3x1.5	0.7	10.5	105
NYM 3Cores	3x2.5	0.8	11.5	149
NYM 3Cores	3x4	0.8	13	201
NYM 3Cores	3x6	0.8	15.5	291
NYM 4Cores	4x1.5	0.7	11	129
NYM 4Cores	4x2.5	0.8	12.5	185

Single-core cable FLR4Y



Application

This PA insulated single-core cable is used for automobiles, motorcycles and other motor vehicles. Especially suitable for use as fuel gauge wire, this cable is gasoline and diesel

Conductor

Cu-ETP1 bare or tinned according to DIN EN13602

Insulation

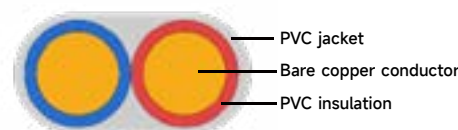
Polyamide(PA)

Standard Compliance

ISO 6722 Class B

NOMINAL CROSS-SECTION	Nominal Cross Sectopm mm²	DIAMETER MAX.	RESISTANCE AT 20°C BARE/TINNED MAX. MΩ/M	THICKNESS WALL MIN.	OVERALL DIAMETER	WEIGHT APPROX.
1x0.35	10x0.2	0.90	52.00/54.50	0.20	1.40	4
1x0.50	19x0.20	1.00	37.10/38.20	0.22	1.60	6
1x0.75	2x1.5	1.20	24.70/25.40	0.24	1.90	8
1x1.00	2x2.5	1.35	18.50/19.10	0.24	2.10	11
1x1.50	26x0.25	1.70	12.70/13.00	0.24	2.40	15
1x2.50	41x0.25	2.20	7.60/7.80	0.28	3.00	24
1x4.00	3x0.75	2.75	4.70/4.80	0.32	3.70	40

BVVB



Standard and Approval:

DIN VDE 0250, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

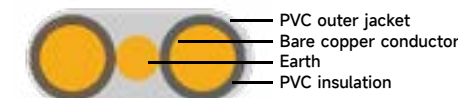
- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC insulation TI1 to DIN VDE 0281 part 1
- Color coded to DIN VDE 0293-308
- Conductors stranded in layer
- High flexible PVC outer jacket type TM1, according to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: $4 \times \varnothing$
- Flexing temperature: $+5^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
- Fixed installation temperature: -40°C to $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $>20\text{ M}\Omega \times \text{km}$

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
Flat Cable 2 Cores	2×0.75	0.6	32.66	44.59
Flat Cable 2 Cores	2×1	0.6	35.52	51.7
Flat Cable 2 Cores	2×1.5	0.7	45.05	68.65
Flat Cable 2 Cores	2×2.5	0.8	62.62	101.71
Flat Cable 2 Cores	2×4	0.8	74.37	137.25
Flat Cable 2 Cores	2×6	0.8	101.4	200.63
Flat Cable 3 Cores	3×0.75	0.6	44.16	63.46
Flat Cable 3 Cores	3×1	0.6	48.48	74.16
Flat Cable 3 Cores	3×1.5	0.7	62.01	99.52
Flat Cable 3 Cores	3×2.5	0.8	86.8	148.36
Flat Cable 3 Cores	3×4	0.8	110.6	207.56

BVVB+Earth



Standard and Approval:

DIN VDE 0250, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

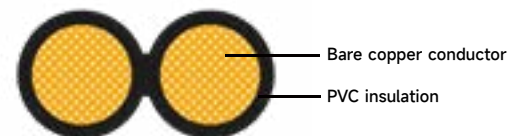
- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC insulation TI1 to DIN VDE 0281 part 1
- Color coded to DIN VDE 0293-308
- Conductors stranded in layer
- High flexible PVC outer jacket type TM1, according to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: $4 \times \varnothing$
- Flexing temperature: $+5^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
- Fixed installation temperature: -40°C to $+70^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance: $>20\text{ M}\Omega \times \text{km}$

No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Insulation Thicknese mm	Nominal Weight kg/km
2×1.0+E	2×1/1.13	1/0.85	0.6	64.16
2×1.5+E	2×1/1.38	1/1.13	0.7	89.52
2×1.5+E	2×7/0.52	7/0.43	0.7	91.52
2×2.5+E	2×1/1.78	1/1.38	0.8	128.36
2×2.5+E	2×7/0.68	7/0.52	0.8	130.36
2×4+E	2×1/2.25	1/1.78	0.8	180.56
2×4+E	2×7/0.85	7/0.68	0.8	202.66
2×6+E	2×1/2.76	1/2.25	0.8	247.18
2×6+E	2×7/1.04	7/0.85	0.8	267.18
2×10+E	2×7/1.35	7/1.04	1	435.05
2×16+E	2×7/1.7	7/1.35	1	567.01

PARALLEL CABLE



Standard and Approval:

NF C 32-201-3
CE Low Voltage Directive 73/23/EEC and 93/68/EEC

Cable Construction:

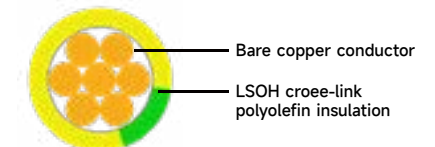
Fine bare copper strands
Strands to VDE-0295 Class-5, IEC 60228 Class-5
Special PVC T11 core insulation
Cores to VDE-0293 colors on chart

Technical Characteristics:

WORKING VOLTAGE: 450/750V
TEST VOLTAGE: 2500 volts
FLEXING BENDING RADIUS: 12.5 x Ø
STATIC BENDING RADIUS: 12.5 x Ø
FLEXING TEMPERATURE: -5° C to +70° C
STATIC TEMPERATURE: -30° C to +80° C
SHORT CIRCUIT TEMPERATURE: +160° C
FLAME RETARDANT: NF C 32-070
INSULATION RESISTANCE: 10 MΩ x km

No. of Cores x Nominal Cross Sectional Area # x mm ²	NO./Diameter OF Conductor mm	MAX.Outer Diameter mm
2×0.5mm ²	2×16/0.2	2.8×5.6
2×0.75mm ²	2×24/0.2	3.0×6.0
2×1.0mm ²	2×32/0.2	3.2×6.4
2×1.5mm ²	2×48/0.2	3.8×7.6
2×2mm ²	2×64/0.2	4×8
2×2.5mm ²	2×77/0.2	4×8

H07Z1-K



Standard and Approval:

<HAR> HD 22.9 S2, VDE-0282 Part-9, BS 7211, IEC 60754-2,
EN 50267, VDE 0482-267, CE Low Voltage
Directive 73/23/EEC and 93/68/EEC

Cable Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5 BS 6360
cl. 5, HD 383
- Cross-link polyolefin E15 core insulation
- LSOH - low smoke, zero halogen

Technical Characteristics:

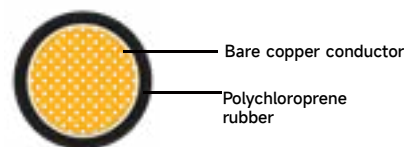
- Working voltage: 300/500v (H05Z-K), 450/750v (H07Z-K)
- Test voltage: 2500 volts
- Flexing bending radius: 8 x Ø
- Static bending radius: 8 x Ø
- Flexing temperature: -15° C to +90° C
- Static temperature: -40° C to +90° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km
- Smoke density acc. to EN 50268 / IEC 61034
- Corrosiveness of combustion gases acc. to EN 50267-2-2,
IEC 60754-2
- Flame test: flame-retardant acc. to EN 50265-2-1, IEC
60332.1

Cross Section:

1.×1.5mm²-1×240mm²

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
H07Z1-K	1×0.75	0.6	2.8	11
H07Z1-K	1×1.5	0.7	3.5	24
H07Z1-K	1×2.5	0.8	4	35
H07Z1-K	1×4	0.8	4.8	51
H07Z1-K	1×6	0.8	6	71
H07Z1-K	1×10	1.0	6.7	118
H07Z1-K	1×16	1.0	8.2	180
H07Z1-K	1×25	1.2	10.2	278
H07Z1-K	1×35	1.2	11.5	375
H07Z1-K	1×50	1.4	13.6	560
H07Z1-K	1×70	1.4	16	780

WELDING CABLE H01N2-D



Standard and Approval:

- <HAR> HD22.6 S2
- VDE-0282 Part-6
- IEC 60332.3
- IEC 60754.1
- UNEL 35368
- CEI 20-22 II
- CEI 20-38
- CE low voltage directive 73/23/EEC & 93/68/EEC

Cable Construction:

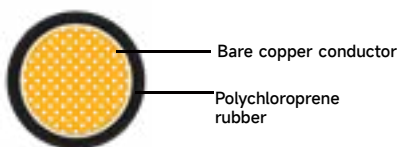
Extra fine bare copper strands
Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
Strands to VDE-0295 as listed below
Synthetic or paper separator over core
Polychloroprene rubber (neoprene) jacket EM5

Technical Characteristics:

- Working voltage 100/100 volts
- Test voltage 1000 volts
- Flexing bending radius 12.0 x Ø
- Fixed bending radius 7.5 x Ø
- Flexing Temperature -25 °C to +80 °C
- Fixed Temperature -40 °C to +80 °C
- Flame retardant IEC 60332.1

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
8	1×10	2.0	7.7-9.7	135
6	1×16	2.0	8.8-11.0	205
4	1×25	2.0	10.1-11.7	302
2	1×35	2.0	11.4-14.2	420
1	1×50	2.2	13.2-16.5	586
2/0	1×70	2.4	15.3-19.2	798
3/0	1×95	2.6	17.1-21.4	1015
4/0	1×120	2.8	19.2-24	1310
300MCM	1×150	3.0	21.2-26.4	1620
350MCM	1×185	3.2	23.1-28.9	1916
500MCM	1×240	3.4	25.0-29.5	2540

WELDING CABLE H01N2-D



Standard and Approval:

- <HAR> HD22.6 S2
- VDE-0282 Part-6
- IEC 60332.3
- IEC 60754.1
- UNEL 35368
- CEI 20-22 II
- CEI 20-38
- CE low voltage directive 73/23/EEC & 93/68/EEC

Cable Construction:

Extra fine bare copper strands
Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
Strands to VDE-0295 as listed below
Synthetic or paper separator over core
Polychloroprene rubber (neoprene) jacket EM5

Technical Characteristics:

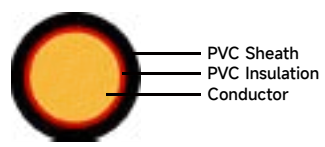
- Working voltage 100/100 volts
- Test voltage 1000 volts
- Flexing bending radius 12.0 x Ø
- Fixed bending radius 7.5 x Ø
- Flexing Temperature -25 °C to +80 °C
- Fixed Temperature -40 °C to +80 °C
- Flame retardant IEC 60332.1

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM²	MM	MM	KG/KM	KG/KM
8(320/32)	1 x 10	2.0	7.7-9.7	96	135
6(512/32)	1 x 16	2.0	8.8-11.0	154	205
4(800/32)	1 x 25	2.0	10.1-12.7	240	302
2(1120/32)	1 x 35	2.0	11.4-14.2	336	420
1(1600/32)	1 x 50	2.2	13.2-16.5	480	586
2/0(2240/32)	1 x 70	2.4	15.3-19.2	672	798
3/0(3024/32)	1 x 95	2.6	17.1-21.4	912	1015
4/0(614/24)	1 x 120	2.8	19.2-24.0	1152	1310
300MCM(765/24)	1 x 150	3.0	21.2-26.4	1440	1620
350MCM(944/24)	1 x 185	3.2	23.1-28.9	1776	1916
500MCM(1225/24)	1 x 240	3.4	25.0-29.5	2304	2540

WELDING CABLE H01N2-D

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM ²	MM	MM	KG/KM	KG/KM
8(566/35)	1 x 10	1.2	6.2-7.8	96	119
6(903/35)	1 x 16	1.2	7.3-9.1	154	181
4(1407/35)	1 x 25	1.2	8.6-10.8	240	270
2(1974/35)	1 x 35	1.2	9.8-12.3	336	363
1(2830/35)	1 x 50	1.5	11.9-14.8	480	528
2/0(3952/35)	1 x 70	1.8	13.6-17.0	672	716
3/0(5370/35)	1 x 95	1.8	15.6-19.5	912	1012
4/0(3819/32)	1 x 120	1.8	17.2-21.6	1152	1190
300MCM(4788/32)	1 x 150	1.8	18.8-23.5	1440	1305
500MCM(5852/32)	1 x 185	1.8	20.4-25.5	1776	1511

Double sheath Welding cbale



Standard and Approval:

- <HAR> HD22.6 S2
- VDE-0282 Part-6
- IEC 60332.3
- IEC 60754.1
- UNEL 35368
- CEI 20-22 II
- CEI 20-38
- CE low voltage directive 73/23/EEC & 93/68/EEC

Cable Construction:

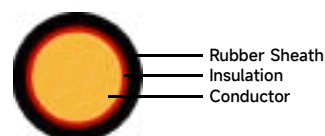
Extra fine bare copper strands
Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
Strands to VDE-0295 as listed below
Synthetic or paper separator over core
Elastomeric PVC composite covering
Also available with TPE composite covering 105° C

Technical Characteristics:

- Working voltage 100/100 volts
- Test voltage 1000 volts
- Fixed bending radius 6 x Ø
- Flexing Temperature -20 °C to +70 °C
- Fixed Temperature -30 °C to +70 °C
- Flame retardant IEC 60332.1

Nominal CrossSectional Area(Sq.mm)	Max StrandDiameter (mm)	Max. DC ConductorResistance (Ω / km)	Total RadialThickness ofCovering (mm)	Maximum CableDiameter (mm)	Approx Weight(kg / km)
10	0.3	1.91	3.2	10.0	180
16	0.3	1.21	3.2	11.5	250
25	0.3	0.75	3.2	13.0	350
35	0.3	0.554	3.2	14.5	460
50	0.3	0.386	3.5	17.0	650
70	0.3	0.272	3.8	19.0	880
95	0.3	0.206	4.2	21.5	1170
120	0.3	0.161	4.5	24.0	1430

Double Sheath Welding cable - Rubber



Standard and Approval:

- <HAR> HD22.6 S2
- VDE-0282 Part-6
- IEC 60332.3
- IEC 60754.1
- UNEL 35368
- CEI 20-22 II
- CEI 20-38
- CE low voltage directive 73/23/EEC & 93/68/EEC

Cable Construction:

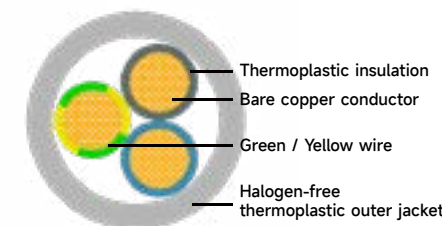
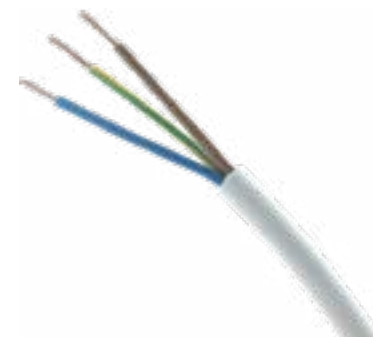
Extra fine bare copper strands
Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
Strands to VDE-0295 as listed below
Synthetic or paper separator over core
Polychloroprene rubber (neoprene) jacket EM5

Technical Characteristics:

- Working voltage 100/100 volts
- Test voltage 1000 volts
- Fixed bending radius 6 x Ø
- Flexing Temperature: -20°C to +80°C
- Fixed Temperature -40 °C to +80 °C
- Flame retardant IEC 60332.1

NOMINAL CROSS SECTIONAL AREA mm ²	TOTAL RADIAL THICKNESS OF COVERING mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
16	2	9.7	215
25	2	11.2	305
35	2	12.4	400
50	2.2	14.3	587
70	2.4	16.3	775
95	2.6	18.6	1040
120	2.8	20.3	1256
150	3	22.6	1360
185	3.2	24.7	1875
240	3.4	27.8	2534

H05Z1Z1-F



Standard and Approval:

EN 50525-3-11 (HD21.14), EN 60228
Flame Retardant according to IEC/EN 60332-1-2
Used as an indoor general wiring cable primarily for installations in public areas. Examples include use on pendant lighting drops or as a general supply lead within hospital or airport projects. For installation where fire, smoke emission and toxic fumes create a potential risk to life and equipment.

Cable Construction:

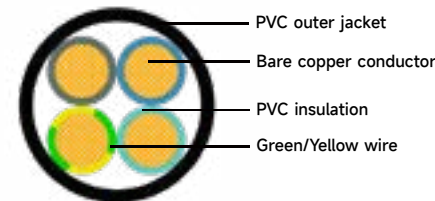
Conductor
Class 5 flexible copper conductor
Insulation
LSZH (Low Smoke Zero Halogen) Type Tl6
Sheath
LSZH (Low Smoke Zero Halogen) Type TM7

Technical Characteristics:

Voltage Rating (Uo/U)
300/500V
Temperature Rating
+5°C to +70°C
Minimum Bending Radius
5 x overall diameter

No. of Cores x Nominal Cross Sectional Area # x mm m ²	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	Nominal Weight kg/km
A5Z020075*	2×0.75	0.6	6.3	57
A5Z02010*	2×1.5	0.6	6.6	65
A5Z02015*	2×2.5	0.7	7.4	84
A5Z02040*	2×4	0.8	9	130
A5Z030075*	3×0.75	0.8	10.4	180
A5Z03010*	3×1	0.6	6.7	68
A5Z03015*	3×1.5	0.6	7	78
A5Z03025*	3×2.5	0.7	8	107
A5Z03040*	3×4	0.8	9.9	163
A5Z040075*	4×0.75	0.8	11.1	212
A5Z04010*	4×1	0.6	7.3	83

NY Y



Standard and Approval:

VDE-0276 Part-603 & Part-627, HD 603.1 & 627 S1, IEC 60502, VDE 0482-332-1-2, DIN EN 60332-1-2 / IEC 60332-1, CE Low Voltage Directive 73/23/EEC and 93/68/EEC.

Cable Construction:

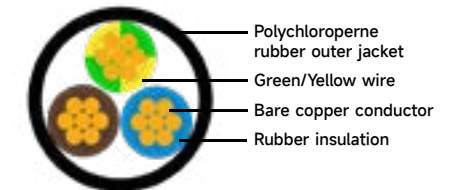
- Solid or stranded, plain copper conductor
- to DIN VDE 0295 cl. 1 or cl. 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or cl. 2
- PVC insulation DIV4 to HD 603.1
- Color coded to DIN VDE 0293-308, 0276 part 603 or HD 186
- Conductor color for 3+1/2 conductor
- J-type: green-yellow (1/2), brown, black, gray
- O-type: blue (1/2), brown, black, gray
- PVC outer jacket DMV5 to HD 603.1

Technical Characteristics:

- Working voltage: 600/1000 volts
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 12 x Ø
- Flexing temperature: -5° C to +50° C
- Fixed installation temperature: - 40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: >100 MΩ x km

No. of Cores x Nominal Cross Sectional Area # x mm m²	NO./Diameter OF Conductor mm	MAX.Outer Diameter mm
3×1.5	12.0	225.0
3×2.5	13.0	275.0
3×4	14.0	375.0
3×6	15.0	480.0
3×10	18.0	675.0
3×16	19.0	880.0
3×25	24.0	1390.0
3×35	25.0	1600.0
3×50	28.0	2000.0
3×70	31.0	2700.0
4×70	35.0	3300.0

H05RN-F



Standard and Approval:

<HAR> HD22.4 S3, VDE-0282 Part-4, CEI 20-19/4 / 20-35 (EN60332-1), IEC 60245-4,

Cable Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Rubber core insulation EI4 to VDE-0282 Part-1
- Color code VDE-0293-308 and HD 186
- Green-yellow grounding, 3 conductors and above
- Polychloroprene rubber (neoprene) jacket EM2

Technical Characteristics:

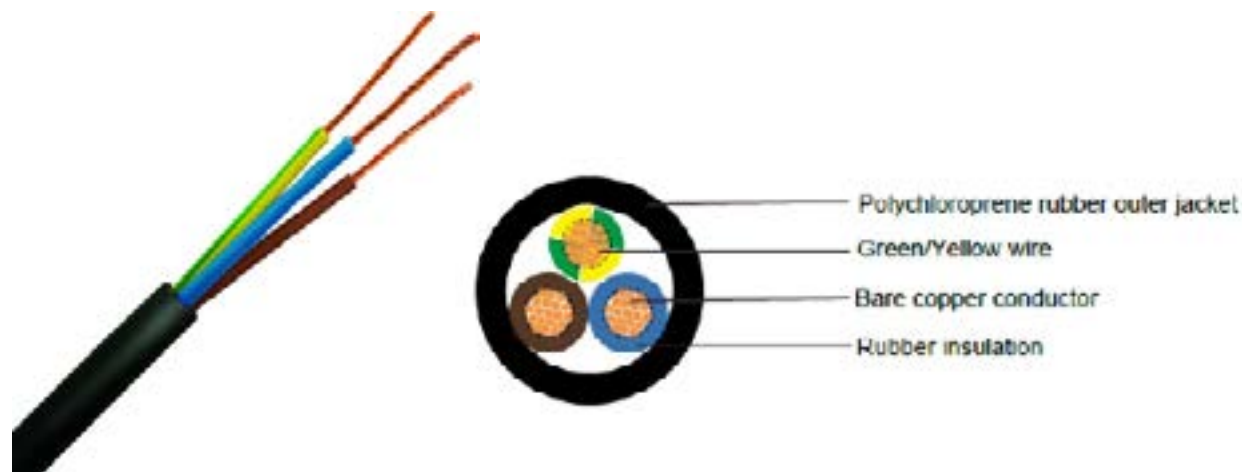
- Working voltage: 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius: 6 x Ø
- Fixed bending radius: 4.0 x Ø
- Flexing Temperature: -25° C to +60° C
- Fixed Temperature: -40° C to +60° C
- Short circuit temperature: +200 ° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2×0.75mm²-4×240mm²

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
H05RN-F				
18(24/32)	2×0.75	0.6	5.7-7.4	80
18(24/32)	3×0.75	0.6	6.2-8.1	95
18(24/32)	4×0.75	0.6	6.8-8.8	105
17(32/32)	3×1	0.6	8.3-12.7	111
17(32/32)	4×1	0.6	9.2-11.9	146
16(30/30)	1×1.5	0.6	5.7-7.1	59
16(30/30)	2×1.5	0.6	8.5-11.0	135
16(30/30)	3×1.5	0.8	9.2-11.9	165
16(30/30)	4×1.5	0.8	10.2-13.1	200
16(30/30)	5×1.5	0.8	11.2-14.4	240
H05RNH2-F				
16(30/30)	2×1.5	0.6	5.25±0.15x13.50±0.30	80
14(50/30)	2×1.5	0.6	5.25±0.15x13.50±0.30	95

H07RN-F



Standard and Approval:

<HAR> HD22.4 S3, VDE-0282 Part-4, CEI 20-19/4 / 20-35 (EN60332-1), IEC 60245-4,

Cable Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Rubber core insulation EI4 to VDE-0282 Part-1
- Color code VDE-0293-308 and HD 186
- Green-yellow grounding, 3 conductors and above
- Polychloroprene rubber (neoprene) jacket EM2

Technical Characteristics:

- Working voltage: 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius: 6 x Ø
- Fixed bending radius: 4.0 x Ø
- Flexing Temperature: -25° C to +60° C
- Fixed Temperature: -40° C to +60° C
- Short circuit temperature: +200 ° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
17(32/32)	2 x 1	0.8	7.7-10	89
17(32/32)	3 x 1	0.8	8.3-10.7	111
17(32/32)	4 x 1	0.8	9.2-11.9	146
16(30/30)	1 x 1.5	0.8	5.7-7.1	59
16(30/30)	2 x 1.5	0.8	8.5-11.0	135
16(30/30)	3 x 1.5	0.8	9.2-11.9	165
16(30/30)	4 x 1.5	0.8	10.2-13.1	200
16(30/30)	5 x 1.5	0.8	11.2-14.4	240
16(30/30)	7 x 1.5	0.8	14.5-17.5	385
16(30/30)	12 x 1.5	0.8	17.6-22.4	516
16(30/30)	19 x 1.5	0.8	20.7-26.3	800
16(30/30)	24 x 1.5	0.8	24.3-30.7	882
14(50/30)	1 x 2.5	0.9	6.3-7.9	72
14(50/30)	2 x 2.5	0.9	10.2-13.1	195

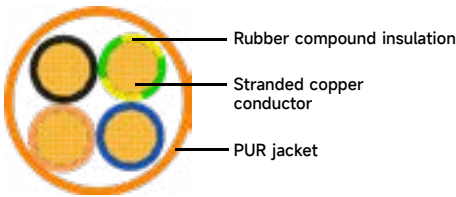
H07RN-F

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
14(50/30)	3 x 2.5	0.9	10.9-14.0	235
14(50/30)	4 x 2.5	0.9	12.1-15.5	290
14(50/30)	5 x 2.5	0.9	13.3-17.0	345
14(50/30)	7 x 2.5	0.9	16.5-20.0	520
14(50/30)	12 x 2.5	0.9	20.6-26.2	810
14(50/30)	19 x 2.5	0.9	25.5-31.0	1200
14(50/30)	24 x 2.5	0.9	28.8-36.4	1650
12(56/28)	1 x 4	1.0	7.2-9.0	99
12(56/28)	2 x 4	1.0	11.8-15.1	270
12(56/28)	3 x 4	1.0	12.7-16.2	320
12(56/28)	4 x 4	1.0	14.0-17.9	395
12(56/28)	5 x 4	1.0	15.6-19.9	485
12(56/28)	7 x 4	1.0	18.2-21.8	681
10(84/28)	1 x 6	1.0	7.9-9.8	130
10(84/28)	3 x 6	1.0	14.1-18.0	495
10(84/28)	4 x 6	1.0	15.7-20.0	610
10(84/28)	5 x 6	1.2	17.5-22.2	760
8(80/26)	1 x 10	1.2	9.5-11.9	230
8(80/26)	3 x 10	1.2	19.1-24.2	880
8(80/26)	4 x 10	1.2	20.9-26.5	1060
8(80/26)	5 x 10	1.2	22.9-29.1	1300
6(128/26)	1 x 16	1.2	10.8-13.4	320
6(128/26)	3 x 16	1.2	21.8-27.6	1090
6(128/26)	4 x 16	1.2	23.8-30.1	1345
6(128/26)	5 x 16	1.2	26.4-33.3	1680
4(200/26)	1 x 25	1.4	12.7-15.8	450
4(200/26)	4 x 25	1.4	28.9-36.6	1995
4(200/26)	5 x 25	1.4	32.0-40.4	2470
2(280/26)	1 x 35	1.4	14.3-17.9	605
2(280/26)	3 x 35	1.4	29.3-37.1	1900
2(280/26)	4 x 35	1.4	32.5-41.1	2645
2(280/26)	5 x 35	1.4	37.0-45.0	2810
1(400/26)	1 x 50	1.6	16.5-20.6	825
1(400/26)	4 x 50	1.6	37.7-47.5	3635
1(400/26)	5 x 50	1.6	40.0-50.8	4050
2/0(356/24)	1 x 70	1.6	18.6-23.3	1090
2/0(356/24)	4 x 70	1.6	42.7-54.0	4830
3/0(485/24)	1 x 95	1.8	20.8-26.0	1405

H07RN-F

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
3/0(485/24)	4 x 95	1.8	48.4-61.0	6320
4/0(614/24)	1x 120	1.8	22.8-28.6	1746
4/0(614/24)	4 x 120	1.8	53.0-66.0	6830
300MCM(765/24)	1 x 150	2	25.2-31.4	1887
300MCM(765/24)	4 x 150	2	58.0-73.0	8320
350MCM(944/24)	1 x 185	2.2	27.6-34.4	2274
350MCM(944/24)	4 x 185	2.2	64.0-80.0	9800
500MCM(1221/24)	1x 240	2.4	30.6-38.3	2956
500MCM(1221/24)	4x 240	2.4	72.0-90.0	12100
-	1 x 300	2.6	33.5-41.9	3479
-	1 x 400	2.8	-	4500
-	1x 500	3	-	5800

H05BQ-F/H07BQ-F



Standard and Approval:

<HAR> HD22.10 S1
VDE-0282 Part-10
CEI 20-19 p.10
CE low voltage directive 73/23/EEC & 93/68/EEC
IEC 60245-4

Cable Construction:

Fine bare or tinned copper strands
Strands to VDE-0295 Class-5, IEC 60228 and HD383 Class-5
Rubber compound insulation E16 to VDE-0282 Part-1
Color coded to VDE-0293-308
Conductors stranded in layers with optimal lay-length
Green-yellow earth core in the outer layer
Polyurethane/PUR outer jacket TMPU- orange (RAL 2003)

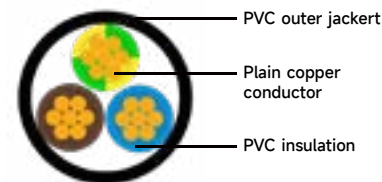
Technical Characteristics:

- Working voltage: 450/750 volts
- Test voltage: 2500 volts
- Flexing bending radius: 5 x Ø
- Static bending radius: 5 x Ø
- Flexing temperature: -40 °C to +80 °C
- Static temperature: -50 °C to +90 °C
- Short circuit temperature: +250 °C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2 x 0.5mm²-5 x 16mm²

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
H05BQ-F				
18(24/32)	2 x 0.75	0.6	5.7-7.4	52
18(24/32)	3 x 0.75	0.6	6.2-8.1	63
18(24/32)	4 x 0.75	0.6	6.8-8.8	80
18(24/32)	5 x 0.75	0.6	7.6-9.9	96
17(32/32)	2 x 1	0.6	6.1-8.0	59
17(32/32)	3 x 1	0.6	6.5-8.5	71
17(32/32)	4 x 1	0.6	7.1-9.3	89
17(32/32)	5 x 1	0.6	8.0-10.3	112
H07BQ-F				
16(30/30)	2 x 1.5	0.8	7.6-9.8	92
16(30/30)	3 x 1.5	0.8	8.0-10.4	109
16(30/30)	4 x 1.5	0.8	9.0-11.6	145
16(30/30)	5 x 1.5	0.8	9.8-12.7	169
14(50/30)	2 x 2.5	0.9	9.0-11.6	121
14(50/30)	3 x 2.5	0.9	9.6-12.1	164
14(50/30)	4 x 2.5	0.9	10.7-13.8	207
14(50/30)	5 x 2.5	0.9	11.9-15.3	262
12(56/28)	2 x 4	1.0	10.6-13.7	194
12(56/28)	3 x 4	1.0	11.3-14.5	224
12(56/28)	4 x 4	1.0	12.7-16.2	327
12(56/28)	5 x 4	1.0	14.1-17.9	415
10(84/28)	2 x 6	1.0	11.8-15.1	311
10(84/28)	3 x 6	1.0	12.8-16.3	310
10(84/28)	4 x 6	1.0	14.2-16.1	310
10(84/28)	5 x 6	1.0	15.7-20.0	496



Standard and Approval:

Generally to BS6500, VDE0250

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5
- PVC core insulation type Y12
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- PVC outer jacket type YM2

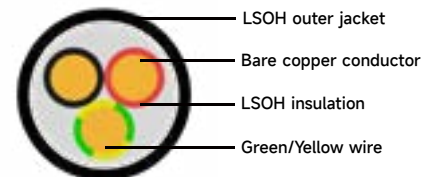
Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -35° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	NOMINAL CABLE WEIGHT KG/KM
20(16/32)	2 x 0.50	4.7	32
18(24/32)	2 x 0.75	5.1	39
17(32/32)	2 x 1.00	5.3	49
16(30/30)	2 x 1.50	6.2	61
14(30/50)	2 x 2.50	7.3	92
20(16/32)	3 x 0.50	5.1	39
18(24/32)	3 x 0.75	5.4	50
17(32/32)	3 x 1.00	5.6	60
16(30/30)	3 x 1.50	6.5	79
14(30/50)	3 x 2.50	7.7	119
12(56/28)	3 x 4.00	9.3	176
10(84/28)	3 x 6.00	11.0	255
8(80/26)	3 x 10.00	14.0	411
6(128/26)	3 x 16.00	18.2	653
20(16/32)	4 x 0.50	5.4	46
18(24/32)	4 x 0.75	5.9	59
17(32/32)	4 x 1.00	6.5	69
16(30/30)	4 x 1.50	7.4	92
14(30/50)	4 x 2.50	8.5	148
12(56/28)	4 x 4.00	10.2	219
10(84/28)	4 x 6.00	12.3	323
8(80/26)	4 x 10.00	15.0	513
6(128/26)	4 x 16.00	19.2	844
4(200/26)	4 x 25.00	23.0	1252
20(16/32)	5 x 0.50	6.2	57

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	NOMINAL CABLE WEIGHT KG/KM
18(24/32)	5 x 0.75	6.7	68
17(32/32)	5 x 1.00	6.9	83
16(30/30)	5 x 1.50	7.9	109
14(30/50)	5 x 2.50	9.7	180
12(56/28)	5 x 4.00	11.6	269
10(84/28)	5 x 6.00	13.5	391
8(80/26)	5 x 10.00	17.1	650
6(128/26)	5 x 16.00	21.3	1012
4(200/26)	5 x 25.00	25.8	1548
2(280/26)	5 x 35.00	29.5	2029
18(24/32)	6 x 0.75	6.9	81
17(32/32)	6 x 1.00	7.0	101
20(16/32)	7 x 0.50	6.6	70
18(24/32)	7 x 0.75	7.1	90
17(32/32)	7 x 1.00	7.5	104
16(30/30)	7 x 1.50	9.0	147
14(30/50)	7 x 2.50	10.1	232
18(24/32)	8 x 0.75	7.4	100
17(32/32)	8 x 1.00	8.0	120
16(30/30)	8 x 1.50	9.5	169
20(16/32)	12 x 0.50	8.6	110
18(24/32)	12 x 0.75	9.4	146
17(32/32)	12 x 1.00	9.9	174
16(30/30)	12 x 1.50	11.6	237
14(30/50)	12 x 2.50	13.9	377
18(24/32)	18 x 0.75	11.1	211
17(32/32)	18 x 1.00	11.7	252
16(30/30)	18 x 1.50	13.7	347
14(30/50)	18 x 2.50	17.1	575
18(24/32)	25 x 0.75	13.4	289
16(30/30)	25 x 1.50	16.9	490
17(32/32)	34 x 1.00	16.3	477
17(32/32)	41 x 1.00	17.7	566
18(24/32)	42 x 0.75	16.0	461
17(32/32)	50 x 1.00	19.1	682
18(24/32)	61 x 0.75	19.8	673
18(24/32)	65 x 0.75	20.7	774

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Standard and Approval:

VDE 0812, VDE 0814, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into pairs, pairs twisted into layers
- PVC outer jacket type TM2 to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 250 volts
- Test voltage: 1200 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +80° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	No. of Cores x Nominal Cross Sectional Area # x m²	Nominal Overall Diameter mm	NOMINAL CABLE WEIGHT KG/KM
20(16/32)	2 x 0.5	4.8	40
20(16/32)	3 x 0.5	5.1	47
20(16/32)	4 x 0.5	5.7	57
20(16/32)	5 G 0.5	6.2	66
20(16/32)	7 G 0.5	7.1	85
20(16/32)	12 G 0.5	8.9	133
18(24/32)	2 x 0.75	5.4	50
18(24/32)	3 x 0.75	5.7	60
18(24/32)	4 x 0.75	6.2	73
18(24/32)	5 x 0.75	6.7	88
18(24/32)	7 x 0.75	7.7	109
18(24/32)	9 G 0.75	9.4	162
18(24/32)	12 G 0.75	9.9	190
18(24/32)	18 G 0.75	11.7	268

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AWG	No. of Cores x Nominal Cross Sectional Area # x m²	Nominal Overall Diameter mm	NOMINAL CABLE WEIGHT KG/KM
18(24/32)	25 G 0.75	13.8	374
17(32/32)	2 x 1.0	5.7	57
17(32/32)	3 x 1.0	6.0	73
17(32/32)	4 x 1.0	6.5	85
17(32/32)	5 G 1.0	7.1	105
17(32/32)	7 G 1.0	8.3	131
17(32/32)	8 G 1.0	9.5	146
17(32/32)	12 G 1.0	10.5	220
17(32/32)	14 G 1.0	11.2	249
17(32/32)	18 G 1.0	12.7	315
17(32/32)	25 G 1.0	14.7	449
17(32/32)	41 G 1.0	18.8	698
16(30/30)	2 x 1.5	6.3	77
16(30/30)	3 x 1.5	6.7	95
16(30/30)	4 G 1.5	7.2	117
16(30/30)	5 G 1.5	8.1	144
16(30/30)	7 G 1.5	9.9	183
16(30/30)	8 G 1.5	10.6	205
16(30/30)	9 G 1.5	11.4	220
16(30/30)	12 G 1.5	12.0	307
16(30/30)	14 G 1.5	12.6	349
16(30/30)	18 G 1.5	14.4	465
16(30/30)	25 G 1.5	16.9	655
16(30/30)	34 G 1.5	22.0	945
14(30/50)	2 x 2.5	7.5	123
14(30/50)	3 G 2.5	8.1	152
14(30/50)	4 G 2.5	8.9	192
14(30/50)	5 G 2.5	10.0	243
14(30/50)	7 G 2.5	12.3	310
14(30/50)	12 G 2.5	14.8	524
12(56/28)	4 G 4	10.8	299
12(56/28)	5 G 4	12.1	363
12(56/28)	7 G 4	14.9	488
10(84/28)	4 G 6	13.0	480
10(84/28)	5 G 6	14.1	583
10(84/28)	7 G 6	17.5	782

CY LSZH SCREENED



Standard and Approval:

BS6500, VDE0250, IEC 60332-3, IEC 60754-1

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- LSOH core insulation H12- DIN VDE 027 PT23
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- Plastic binder tape
- Tinned Copper Wire Braid Screen
- LSOH outer jacket

Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -15° C to +70° C
- Static temperature: -35° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.3
- Insulation resistance: 20 MΩ x km

Cross Section:

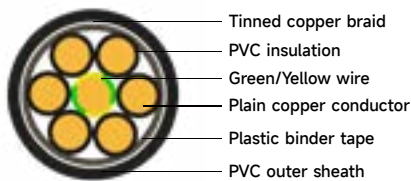
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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	NOMINAL COPPER WEIGHT KG/KM	NOMINAL CABLE WEIGHT KG/ KM
20(16/32)	2 x 0.5	7.0	35.0	80
20(16/32)	3 x 0.5	7.3	45.5	106
20(16/32)	4 x 0.5	7.9	55.0	123
20(16/32)	5 G 0.5	8.4	66.0	134
20(16/32)	7 G 0.5	9.9	80.5	160
20(16/32)	12 G 0.5	11.3	138.5	237
18(24/32)	2 x 0.75	7.4	45.0	115
18(24/32)	3 x 0.75	7.9	57.9	125
18(24/32)	4 x 0.75	8.4	64.0	141
18(24/32)	5 x 0.75	8.9	77.4	162
18(24/32)	7 X 0.75	10.6	102.0	187
18(24/32)	12 G 0.75	12.3	177.0	313
18(24/32)	18 G 0.75	14.5	243.0	456

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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	NOMINAL COPPER WEIGHT KG/KM	NOMINAL CABLE WEIGHT KG/ KM
18(24/32)	25 G 0.75	16.6	307.3	575
17(32/32)	2 x 1.0	7.9	50.0	127
17(32/32)	3 x 1.0	8.2	65.3	140
17(32/32)	4 x 1.0	8.7	78.1	160
17(32/32)	5 G 1.0	9.5	89.4	182
17(32/32)	7 G 1.0	10.8	113.6	215
17(32/32)	12 G 1.0	13.3	188.1	352
17(32/32)	18 G 1.0	15.5	286.0	514
17(32/32)	25 G 1.0	17.5	388.5	677
17(32/32)	41 G 1.0	22.0	578	1010
16(30/30)	2 x 1.5	8.5	77.0	172
16(30/30)	3 x 1.5	8.9	83.0	187
16(30/30)	4 G 1.5	9.6	100.0	201
16(30/30)	5 G 1.5	10.3	125.0	231
16(30/30)	7 G 1.5	13.1	196.0	310
16(30/30)	12 G 1.5	14.8	280.0	505
16(30/30)	18 G 1.5	17.2	389.0	671
16(30/30)	25 G 1.5	20.1	535.0	955
14(30/50)	3 G 2.5	10.3	146.0	211
14(30/50)	4 G 2.5	11.3	167.0	356
14(30/50)	5 G 2.5	12.6	200.2	386
14(30/50)	7 G 2.5	13.9	288.0	498
14(30/50)	12 G 2.5	17.6	477.3	911
12(56/28)	4 G 4	13.4	237.0	458
12(56/28)	5 G 4	14.7	280.0	532
12(56/28)	7 G 4	18.2	388.0	766
10(84/28)	4 G 6	15.8	318.0	611
10(84/28)	5 G 6	17.3	453.0	770
10(84/28)	7 G 6	24.8	524.7	1035
8(80/26)	4 G 10	24.4	558.0	986
6(128/26)	4 G 16	28.1	804.0	1338
4(200/26)	4 G 25	32.9	1289.0	2028
2(280/26)	4 G 35	36.8	1693.0	2649
1(400/26)	4 G 50	42.4	2342.0	3741
2/0(356/24)	4 G 70	49.4	3035.0	5054

CY SCREENED



Standard and Approval:

BS6500, VDE0250

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type Y12
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- Plastic binder tape
- Tinned Copper Wire Braid Screen
- PVC outer jacket type Y12

Technical Characteristics:

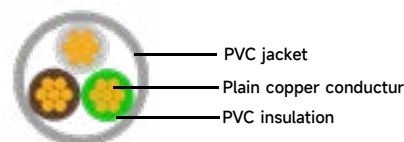
- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -15° C to +70° C
- Static temperature: -35° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.3
- Insulation resistance: 20 MΩ x km

AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	NOMINAL OVERALL DIAMETER MM	NOMINAL CABLE WEIGHT KG/KM
20(16/32)	2 x 0.50	5.4	45.0
18(24/32)	2 x 0.75	6	54.0
17(32/32)	2 x 1.00	6.2	60.0
16(30/30)	2 x 1.50	6.8	70.0
14(30/50)	2 x 2.50	8.0	104.0
20(16/32)	3 x 0.50	5.8	53.0
18(24/32)	3 x 0.75	6.3	65.0
17(32/32)	3 x 1.00	6.5	73.0
16(30/30)	3 x 1.50	7.2	90.0
14(30/50)	3 x 2.50	8.6	140.0
20(16/32)	4 x 0.50	6.3	63.0
18(24/32)	4 x 0.75	6.8	77.0
17(32/32)	4 x 1.00	7.0	89.0
16(30/30)	4 x 1.50	7.8	123.3
14(30/50)	4 x 2.50	9.4	173.0
12(56/28)	4 x 4.00	11.1	236.0
10(84/28)	4 x 6.00	12.8	339.0
8(80/26)	4 x 10.00	16.1	502.0

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AWG	No. of Cores x Nominal Cross Sectional Area # x mm m²	NOMINAL OVERALL DIAMETER MM	NOMINAL CABLE WEIGHT KG/KM
6(128/26)	4 x 16.00	19.2	771.0
4(200/26)	4 x 25.00	20.2	1420.0
20(16/32)	5 x 0.50	6.7	76.0
18(24/32)	5 x 0.75	7.3	91.0
17(32/32)	5 x 1.00	7.6	105.0
16(30/30)	5 x 1.50	8.4	125.0
14(30/50)	5 x 2.50	10.0	206.0
12(56/28)	5 x 4.00	12.1	288.0
10(84/28)	5 x 6.00	14.2	416.0
20(16/32)	6 x 0.50	7.2	87.0
18(24/32)	6 x 0.75	7.8	102.0
17(32/32)	6 x 1.00	8.2	110.0
20(16/32)	7 x 0.50	7.3	107.0
18(24/32)	7 x 0.75	7.8	115.0
17(32/32)	7 x 1.00	8.4	139.0
16(30/30)	7 x 1.50	9.3	160.0
14(30/50)	7 x 2.50	10.8	267.0
20(16/32)	8 x 0.50	7.7	109.0
18(24/32)	8 x 0.75	8.3	137.0
17(32/32)	8 x 1.00	9.0	157.0
20(16/32)	12 x 0.50	9.2	140.0
18(24/32)	12 x 0.75	10.1	177.0
17(32/32)	12 x 1.00	10.4	207.0
16(30/30)	12 x 1.50	11.8	279.0
14(30/50)	12 x 2.50	14.6	432.0
20(16/32)	18 x 0.50	10.2	179.0
18(24/32)	18 x 0.75	11.6	250.0
17(32/32)	18 x 1.00	12.4	295.0
16(30/30)	18 x 1.50	14.0	350.0
20(16/32)	25 x 0.50	13.3	256.0
18(24/32)	25 x 0.75	13.9	326.0
17(32/32)	25 x 1.00	14.9	384.0
16(30/30)	25 x 1.50	16.9	530.0
18(24/32)	34 x 0.75	15.6	406.0
17(32/32)	34 x 1.00	16.6	530.0
16(30/30)	34 x 1.50	18.9	720.0
16(30/30)	42 x 1.50	20.1	820.0
18(24/32)	50 x 0.75	19.0	576.0
17(32/32)	50 x 1.00	19.6	1020.0

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Standard and Approval:

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- PVC outer jacket type TM2 to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 300/500 volts
- Test voltage: 1200/2000 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	2x0.14	3.2	2.7	13
26(18/38)	3x0.14	3.2	4.0	16
26(18/38)	4x0.14	3.5	5.4	19
26(18/38)	5x0.14	4.0	6.7	22
26(18/38)	6x0.14	4.3	8.1	25
26(18/38)	7x0.14	4.3	9.4	28
26(18/38)	8x0.14	4.6	10.7	35
26(18/38)	10x0.14	5.3	13.4	41
26(18/38)	12x0.14	5.6	16.1	48
26(18/38)	14x0.14	5.9	18.8	53
26(18/38)	16x0.14	6.2	21.5	59
26(18/38)	18x0.14	6.5	24.2	65
26(18/38)	20x0.14	6.5	26.9	70
26(18/38)	21x0.14	6.8	28.2	77
26(18/38)	24x0.14	7.6	32.3	87
26(18/38)	25x0.14	7.6	33.6	91
26(18/38)	27x0.14	7.7	36.3	97
26(18/38)	30x0.14	8.0	40.3	108
26(18/38)	32x0.14	8.2	43.0	114
26(18/38)	36x0.14	8.7	48.4	126
26(18/38)	40x0.14	9.5	54.0	139

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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	42X0.14	9.8	56.0	146.0
26(18/38)	44X0.14	10.3	59.0	153.0
26(18/38)	48X0.14	10.4	65.0	164.0
26(18/38)	52X0.14	10.7	70.0	173.0
26(18/38)	56X0.14	11.0	75.0	187.0
26(18/38)	61X0.14	11.3	82.0	204.0
26(18/38)	80X0.14	15.5	108.0	280.0
26(18/38)	100X0.14	18.1	135.0	370.0
24(14/34)	2X0.25	3.8	4.8	18.0
24(14/34)	3X0.25	3.9	7.2	22.0
24(14/34)	4X0.25	4.3	9.6	26.0
24(14/34)	5X0.25	4.8	12.0	30.0
24(14/34)	6X0.25	5.2	14.4	36.0
24(14/34)	7X0.25	5.2	16.8	42.0
24(14/34)	8X0.25	5.7	19.2	49.0
24(14/34)	10X0.25	6.4	24.0	57.0
24(14/34)	12X0.25	6.7	28.8	66.0
24(14/34)	14X0.25	7.1	33.6	75.0
24(14/34)	16X0.25	7.5	38.4	84.0
24(14/34)	18X0.25	7.9	43.2	92.0
24(14/34)	19X0.25	8.4	46.0	96.0
24(14/34)	20X0.25	9.1	48.0	101.0
24(14/34)	21X0.25	9.3	50.0	107.0
24(14/34)	24X0.25	9.8	60.0	120.0
24(14/34)	25X0.25	9.9	61.0	132.0
24(14/34)	27X0.25	10.1	65.0	140.0
24(14/34)	30X0.25	10.3	72.0	156.0
24(14/34)	32X0.25	10.5	77.0	164.0
24(14/34)	36X0.25	11.1	86.0	182.0
24(14/34)	37X0.25	11.3	89.0	190.0
24(14/34)	40X0.25	11.5	96.0	200.0
24(14/34)	42X0.25	11.8	101.0	211.0
24(14/34)	44X0.25	12.6	106.0	225.0
24(14/34)	48X0.25	12.7	115.0	245.0
24(14/34)	52X0.25	13.6	125.0	263.0
24(14/34)	56X0.25	14.0	134.0	280.0
24(14/34)	61X0.25	14.4	146.0	305.0
24(14/34)	80X0.25	19.6	192.0	450.0
24(14/34)	100X0.25	23.1	240.0	590.0

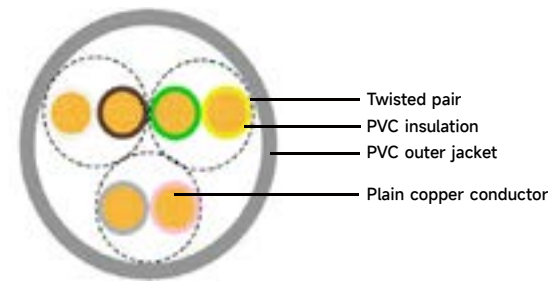
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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
22(7/30)	2X0.34	4.2	6.5	22.0
22(7/30)	3X0.34	4.4	9.8	30.0
22(7/30)	4X0.34	4.9	13.1	43.0
22(7/30)	5X0.34	5.3	16.3	54.0
22(7/30)	6X0.34	5.8	19.6	58.0
22(7/30)	7X0.34	5.9	22.8	61.0
22(7/30)	8X0.34	6.3	26.1	73.0
22(7/30)	10X0.34	7.2	32.6	82.0
22(7/30)	12X0.34	7.6	39.2	102.0
22(7/30)	14XO.34	8.0	45.7	108.0
22(7/30)	16X0.34	8.4	52.0	126.0
22(7/30)	18X0.34	8.9	59.0	143.0
22(7/30)	20X0.34	9.8	65.0	160.0
22(7/30)	21X0.34	9.8	69.0	166.0
22(7/30)	24X0.34	11.0	78.0	186.0
22(7/30)	25X0.34	11.2	82.0	192.0
22(7/30)	27X0.34	11.2	88.0	206.0
22(7/30)	30X0.34	11.6	98.0	226.0
22(7/30)	32X0.34	11.9	104.0	245.0
22(7/30)	36X0.34	12.6	118.0	285.0
22(7/30)	37X0.34	12.9	121.0	292.0
22(7/30)	40X0.34	13.5	131.0	318.0
22(7/30)	42X0.34	14.0	137.0	330.0
22(7/30)	44X0.34	14.7	144.0	370.0
22(7/30)	48X0.34	14.9	157.0	405.0
22(7/30)	52X0.34	15.3	170.0	430.0
22(7/30)	53X0.34	15.5	183.0	440.0
22(7/30)	61X0.34	16.2	199.0	610.0
22(7/30)	80X0.34	22.0	264.0	880.0
22(7/30)	100X0.34	25.4	327.0	1050.0
20(16/32)	2X0.5	4.8	9.6	40.0
20(16/32)	3X0.5	5.1	14.4	46.0
20(16/32)	4X0.5	5.7	19.2	55.0
20(16/32)	5X0.5	6.2	24.0	64.0
20(16/32)	6X0.5	6.7	28.8	73.0
20(16/32)	7X0.5	7.4	33.6	81.0
20(16/32)	8X0.5	8.0	38.4	97.0
20(16/32)	10X0.5	8.8	48.0	116.0
20(16/32)	12X0.5	9.1	58.0	135.0

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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
20(16/32)	16X0.5	10.0	77.0	168.0
20(16/32)	20X0.5	11.2	96.0	213.0
20(16/32)	24X0.5	12.3	116.0	241.0
20(16/32)	30X0.5	13.5	144.0	303.0
20(16/32)	40X0.5	15.8	192.0	391.0
18(24/32)	2X0.75	5.2	14.4	47.0
18(24/32)	3X0.75	5.5	21.6	54.0
18(24/32)	4X0.75	6.2	29.0	66.0
18(24/32)	5X0.75	6.8	36.0	80.0
18(24/32)	7X0.75	8.1	50.0	110.0
18(24/32)	8X0.75	8.9	58.0	125.0
18(24/32)	10X0.75	9.6	72.0	148.0
18(24/32)	12X0.75	9.9	86.0	176.0
18(24/32)	16X0.75	11.6	115.0	220.0
18(24/32)	20X0.75	12.6	144.0	276.0
17(32/32)	2X1.0	5.5	19.2	56.0
17(32/32)	3X1.0	6.0	29.0	71.0
16(30/30)	2X1.5	6.5	29.0	75.0
16(30/30)	3X1.5	6.9	43.0	90.0

LIYY-TP



Standard and Approval:

VDE 0812, VDE 0814, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type T12 to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into pairs, pairs twisted into layers
- PVC outer jacket type TM2 to DIN VDE 0281 part 1

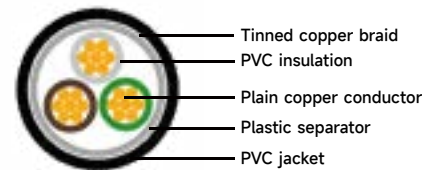
Technical Characteristics:

- Working voltage: 250 volts
- Test voltage: 1200 volts
- Minimum bending radius: 4 x Ø
- Flexing temperature: -5° C to +80° C
- Static temperature: -30° C to +80° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	2x 2 x 0.14	4.9	5.4	25.5
26(18/38)	3 x 2 x 0.14	5	8	32
26(18/38)	4x 2 x 0.14	5.4	10.7	38.5
26(18/38)	5x 2 x 0.14	5.9	13.4	45.5
26(18/38)	6x 2 x 0.14	6.3	16.1	51
26(18/38)	10x 2 x 0.14	8.1	26.9	77.5
26(18/38)	12x 2 x 0.14	8.4	32.3	94.5
26(18/38)	14x 2 x 0.14	8.8	37.6	105.5
26(18/38)	16x 2 x 0.14	9.3	43	110.5
26(18/38)	18x 2 x 0.14	10.2	48.4	119.5
26(18/38)	25x 2 x 0.14	11.7	67	180.5
26(18/38)	30x 2 x 0.14	12.4	81	199.5
26(18/38)	50x 2 x 0.14	16	134	387
24(14/34)	2x 2 x 0.25	6.1	9.6	38
24(14/34)	3x 2 x 0.25	6.3	14.4	48
24(14/34)	4x 2 x 0.25	6.8	19.2	59
24(14/34)	6x 2 x 0.25	8	28.8	80
24(14/34)	8x 2 x 0.25	9.4	38.4	98
24(14/34)	10x 2 x 0.25	10.5	48	115
24(14/34)	2x 2 x 0.34	5.5	13	42
24(14/34)	3x 2 x 0.34	6.7	19	51

LIYY TP

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
22(7/30)	4 x 2 x 0.34	7.4	25	61
22(7/30)	8 x 2 x 0.34	8.1	37	119
22(7/30)	10 x 2 x 0.34	9.2	48	152
20(16/32)	2 x 2 x 0.50	8.1	19.2	72
20(16/32)	3 x 2 x 0.50	8.4	28.8	83
20(16/32)	4 x 2 x 0.50	8.7	38.4	115
20(16/32)	8 x 2 x 0.50	12.7	76.8	206
20(16/32)	10 x 2 x 0.50	13.7	96	247
18(24/32)	2 x 2 x 0.75	7.5	28	60
18(24/32)	3 x 2 x 0.75	8.4	43	74
18(24/32)	4 x 2 x 0.75	8.7	58	92



Standard and Approval:

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 250 volts
- Test voltage: 1200/1500 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2X0.14mm²-20X0.75mm²

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	2X0.14	3.9	12	20
26(18/38)	3X0.14	4.1	13	28
26(18/38)	4X0.14	4.3	14.3	33
26(18/38)	5X0.14	4.6	15.5	38
26(18/38)	6X0.14	4.8	22	38
26(18/38)	7X0.14	4.9	19	49
26(18/38)	8X0.14	5.3	21.2	56
26(18/38)	10X0.14	5.9	28.5	66
26(18/38)	12X0.14	6.3	30.4	78
26(18/38)	14X0.14	6.5	32	80
26(18/38)	15X0.14	6.7	37.8	86
26(18/38)	16X0.14	6.8	43	90
26(18/38)	18X0.14	7.1	48.8	104
26(18/38)	20X0.14	7.6	53.9	116
26(18/38)	21X0.14	7.7	55.5	121
26(18/38)	25X0.14	8.5	63	149
26(18/38)	28X0.14	8.5	66.1	153
26(18/38)	30X0.14	8.7	69	158

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	32X0.14	9	73.6	164
26(18/38)	36X0.14	9.3	83	183
26(18/38)	40X0.14	9.7	87.5	210
26(18/38)	44X0.14	10.3	110.5	225
26(18/38)	50X0.14	11.1	122.5	253
24(14/34)	2X0.25	4.5	16	32
24(14/34)	3X0.25	4.7	21	37
24(14/34)	4X0.25	5.1	24	41.3
24(14/34)	5X0.25	5.4	29	51.2
24(14/34)	6X0.25	5.8	30	58
24(14/34)	7X0.25	5.8	37	65
24(14/34)	8X0.25	6.5	42	73
24(14/34)	10X0.25	7.5	46	82
24(14/34)	12X0.25	7.7	59	145
24(14/34)	14X0.25	8.1	59	99
24(14/34)	15X0.25	8.4	61	111
24(14/34)	16X0.25	8.4	64	124
24(14/34)	18X0.25	8.8	83	143
24(14/34)	20X0.25	9.1	88	152.3
24(14/34)	21X0.25	9.3	93	161
24(14/34)	25X0.25	10.3	114	172
24(14/34)	28X0.25	10.8	126	181.1
24(14/34)	30X0.25	11.1	132	189
24(14/34)	32X0.25	11.4	138	203
24(14/34)	36X0.25	11.8	148	220
24(14/34)	40X0.25	12.3	157	248
24(14/34)	44X0.25	13.3	165	292.1
24(14/34)	50X0.25	13.9	178	318
24(14/34)	61X0.25	14.6	205	365.2
22(7/30)	2X0.34	4.9	21	37
22(7/30)	3X0.34	5.1	27	49
22(7/30)	4X0.34	5.5	33	59
22(7/30)	5X0.34	6.2	36	66
22(7/30)	6X0.34	6.8	36	64
22(7/30)	7X0.34	6.8	46	83
22(7/30)	8X0.34	7.3	52	94
22(7/30)	10X0.34	8.3	74	129.2

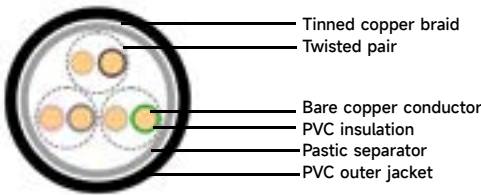
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AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
22(7/30)	12X0.34	8.5	80	142
22(7/30)	14X0.34	8.9	86	154
22(7/30)	15X0.34	9.2	90	155
22(7/30)	16X0.34	9.4	94	160
22(7/30)	18X0.34	9.8	103	173
22(7/30)	20X0.34	10.2	112	192
22(7/30)	21X0.34	10.3	116	199.2
22(7/30)	25X0.34	11.9	135	259
22(7/30)	28X0.34	12	153	280
22(7/30)	30X0.34	12.3	159	291.1
22(7/30)	32X0.34	13	165	305
22(7/30)	36X0.34	13.4	179	331
22(7/30)	40X0.34	13.9	200	365
22(7/30)	44X0.34	14.9	215	314.2
22(7/30)	50X0.34	15.9	235	431
20(16/32)	2X0.5	5.5	29	54
20(16/32)	3X0.5	5.8	38	67
20(16/32)	4X0.5	6.5	43	77
20(16/32)	5X0.5	7	51	90
20(16/32)	6X0.5	7.8	59	104
20(16/32)	7X0.5	7.8	65	112
20(16/32)	8X0.5	8.3	70	135
20(16/32)	10X0.5	9.5	88	160
20(16/32)	12X0.5	9.8	99	177
20(16/32)	18X0.5	11.8	134	239
20(16/32)	20X0.5	12.2	149	276
20(16/32)	25X0.5	14	211	352
20(16/32)	30X0.5	14.5	230	397
18(24/32)	2X0.75	5.9	38	64
18(24/32)	3X0.75	6.4	49	76
18(24/32)	4X0.75	7	58	92
18(24/32)	5X0.75	7.8	67	109
18(24/32)	7X0.75	8.4	100	156
18(24/32)	10X0.75	10.3	130	187
18(24/32)	12X0.75	11	154	218
18(24/32)	18X0.75	13	195	327
18(24/32)	25X0.75	15.6	280	454
18(24/32)	30X0.75	16.2	312	486
17(32/32)	2X1.0	6.5	43	72

LIYCY

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
17(32/32)	3X1.0	6.9	56	90
17(32/32)	4X1.0	7.6	68	109
17(32/32)	5X1.0	8.3	79	126
17(32/32)	7X1.0	9	118	171
17(32/32)	10X1.0	11.5	140	228
17(32/32)	12X1.0	11.9	168	259
17(32/32)	18X1.0	14	252	389
17(32/32)	25X1.0	16.7	335	517
16(30/30)	2X1.5	7.6	58	90
16(30/30)	3X1.5	8	74	115
16(30/30)	4X1.5	8.7	108	153
16(30/30)	5X1.5	9.5	129	176
16(30/30)	7X1.5	10.3	164	220
16(30/30)	12X1.5	13.9	254	376
16(30/30)	18X1.5	16.6	350	519
16(30/30)	25X1.5	20	550	901

LIYCY-TP



Standard and Approval:

VDE 0812, VDE 0814, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into layers
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 250 volts
- Test voltage: 1200 volts
- Minimum bending radius: 5 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	2x2x0.14	5.2	18.5	40
26(18/38)	3x2x0.14	5.6	23	49
26(18/38)	4x2x0.14	5.8	26.6	55
26(18/38)	5x2x0.14	6.5	30.7	66
26(18/38)	6x2x0.14	7.3	48.5	86
26(18/38)	7x2x0.14	7.5	51.1	91
26(18/38)	8x2x0.14	7.8	53.7	97
26(18/38)	10x2x0.14	8.5	59.0	109
26(18/38)	12x2x0.14	9.3	66.0	141
26(18/38)	14x2x0.14	10.0	74.0	148
26(18/38)	15x2x0.14	10.3	76.0	152
26(18/38)	16x2x0.14	10.7	79.0	155
26(18/38)	18x2x0.14	11.0	83.0	171
26(18/38)	20x2x0.14	11.2	97.0	183
26(18/38)	22x2x0.14	11.6	103.0	205
26(18/38)	24x2x0.14	12.0	111.0	228
26(18/38)	25x2x0.14	12.4	113.0	239
26(18/38)	26x2x0.14	12.8	122.0	245

LIYCY-TP

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	27 x 2 x 0.14	13.0	125.0	251
26(18/38)	28 x 2 x 0.14	13.2	128.0	258
26(18/38)	30 x 2 x 0.14	13.6	140.0	270
26(18/38)	32 x 2 x 0.14	14.2	145.0	284
26(18/38)	34 x 2 x 0.14	14.6	150.0	300
26(18/38)	36 x 2 x 0.14	14.8	156.0	316
26(18/38)	38 x 2 x 0.14	15.0	162.0	350
26(18/38)	40 x 2 x 0.14	15.4	177.0	370
26(18/38)	44 x 2 x 0.14	16.0	181.0	390
26(18/38)	46 x 2 x 0.14	16.4	195.0	430
26(18/38)	50 x 2 x 0.14	17.8	202.0	440
26(18/38)	52 x 2 x 0.14	18.0	206.0	460
26(18/38)	55 x 2 x 0.14	18.8	210.0	480
24(14/34)	2 x 2 x 0.25	6.3	28.0	53
24(14/34)	3 x 2 x 0.25	6.7	32.0	65
24(14/34)	4 x 2 x 0.25	6.8	38.0	80
24(14/34)	5 x 2 x 0.25	7.8	55.0	98
24(14/34)	6 x 2 x 0.25	8.8	65.0	114
24(14/34)	7 x 2 x 0.25	8.9	70.0	121
24(14/34)	8 x 2 x 0.25	9.6	75.0	129
24(14/34)	10 x 2 x 0.25	10.6	110.0	157
24(14/34)	12 x 2 x 0.25	11.6	117.0	189
24(14/34)	14 x 2 x 0.25	12.0	122.0	213
24(14/34)	15 x 2 x 0.25	12.5	134.0	225
24(14/34)	16 x 2 x 0.25	13.0	143.0	237
24(14/34)	18 x 2 x 0.25	13.2	148.0	248
24(14/34)	20 x 2 x 0.25	13.7	162.0	275
24(14/34)	22 x 2 x 0.25	14.4	172.0	303
24(14/34)	24 x 2 x 0.25	15.0	223.0	330
24(14/34)	25 x 2 x 0.25	15.4	233.0	343
24(14/34)	26 x 2 x 0.25	15.8	238.0	345
24(14/34)	27 x 2 x 0.25	16.2	244.0	350
24(14/34)	28 x 2 x 0.25	16.3	249.0	360
24(14/34)	30 x 2 x 0.25	16.7	254.0	375
24(14/34)	32 x 2 x 0.25	16.9	290.0	400
24(14/34)	34 x 2 x 0.25	17.5	312.0	410
24(14/34)	36 x 2 x 0.25	17.7	322.0	420
24(14/34)	38 x 2 x 0.25	18.0	339.0	450
24(14/34)	40 x 2 x 0.25	18.8	349.0	485

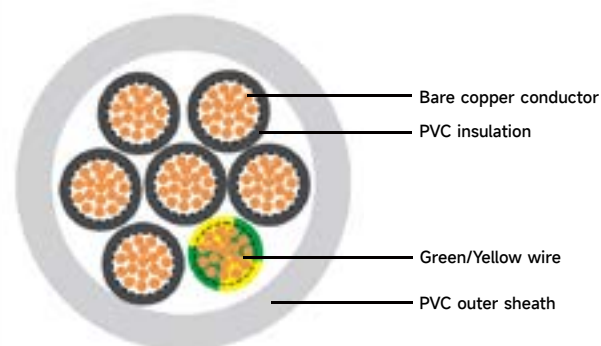
LIYCY-TP

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
24(14/34)	44 x 2 x 0.25	19.0	359.0	500
24(14/34)	46 x 2 x 0.25	19.2	398.0	540
24(14/34)	50 x 2 x 0.25	19.9	403.0	550
24(14/34)	52 x 2 x 0.25	20.0	435.0	580
24(14/34)	55 x 2 x 0.25	21.0	464.0	630
22(7/30)	2 x 2 x 0.34	6.3	36.9	65
22(7/30)	3 x 2 x 0.34	7.5	44.9	78
22(7/30)	4 x 2 x 0.34	8.0	54.2	90
22(7/30)	5 x 2 x 0.34	8.9	63.5	110
22(7/30)	6 x 2 x 0.34	10.5	73.1	130
22(7/30)	7 x 2 x 0.34	10.7	79.5	145
22(7/30)	8 x 2 x 0.34	10.9	88.4	150
22(7/30)	9 x 2 x 0.34	11.4	99.3	170
22(7/30)	10 x 2 x 0.34	12.0	106.9	190
22(7/30)	12 x 2 x 0.34	13.2	122.1	220
22(7/30)	14 x 2 x 0.34	13.6	138.2	245
22(7/30)	16 x 2 x 0.34	15.1	154.2	250
22(7/30)	18 x 2 x 0.34	15.2	197.9	275
22(7/30)	21 x 2 x 0.34	16.2	214.4	300
22(7/30)	25 x 2 x 0.34	17.9	238.5	400
22(7/30)	27 x 2 x 0.34	18.2	262.5	410
22(7/30)	30 x 2 x 0.34	19.0	286.6	440
22(7/30)	34 x 2 x 0.34	20.0	310.1	510
22(7/30)	37 x 2 x 0.34	20.3	368.7	550
22(7/30)	40 x 2 x 0.34	21.0	392.6	590
22(7/30)	44 x 2 x 0.34	22.2	424.3	600
22(7/30)	50 x 2 x 0.34	23.5	455.9	650
22(7/30)	52 x 2 x 0.34	24.6	487.6	680
22(7/30)	56 x 2 x 0.34	25.1	518.5	750
22(7/30)	61 x 2 x 0.34	26.3	557.2	840
20(16/32)	2 x 2 x 0.5	7.8	54.0	89
20(16/32)	3 x 2 x 0.5	8.5	70.0	104
20(16/32)	4 x 2 x 0.5	9.1	91.0	126
20(16/32)	5 x 2 x 0.5	10.4	105.0	148
20(16/32)	6 x 2 x 0.5	11.8	120.0	171
20(16/32)	8 x 2 x 0.5	13.1	144.0	290
20(16/32)	10 x 2 x 0.5	14.3	178.0	320
20(16/32)	12 x 2 x 0.5	15.0	199.0	261
20(16/32)	16 x 2 x 0.5	17.5	254.0	421

LIYCY-TP

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
20(16/32)	20 x 2 x 0.5	19.5	302.0	580
20(16/32)	25 x 2 x 0.5	22.5	344.0	740
18(24/32)	2 x 2 x 0.75	8.2	58.0	105
18(24/32)	3 x 2 x 0.75	9.0	84.0	128
18(24/32)	4 x 2 x 0.75	9.2	108.0	156
18(24/32)	5 x 2 x 0.75	11.0	126.0	189
18(24/32)	6 x 2 x 0.75	12.4	146.0	216
18(24/32)	8 x 2 x 0.75	14.1	180.0	309
18(24/32)	10 x 2 x 0.75	15.3	220.0	355
18(24/32)	12 x 2 x 0.75	16.4	261.0	405
18(24/32)	16 x 2 x 0.75	19.2	328.0	565
18(24/32)	20 x 2 x 0.75	21.2	392.0	700
18(24/32)	25 x 2 x 0.75	23.5	470.0	950
17(32/32)	2 x 2 x 1.0	8.9	82	116
17(32/32)	3 x 2 x 1.0	9.5	103	140
17(32/32)	4 x 2 x 1.0	10.5	132	190
17(32/32)	5 x 2 x 1.0	14.3	161	265
17(32/32)	7 x 2 x 1.0	16.5	208	411
16(30/30)	2 x 2 x 1.5	10.7	110	122
16(30/30)	3 x 2 x 1.5	11.6	135	193
16(30/30)	4 x 2 x 1.5	13.0	171	240
16(30/30)	5 x 2 x 1.5	15.2	211	339
16(30/30)	7 x 2 x 1.5	17.5	295	475

H05VV5-F(NYSLYÖ-JZ)



Standard and Approval:

<HAR> HD 21.13 S1 VDE-0281 Part-13 CEI 20-20/13 CEI 20-35 (EN60332-1) CEI 20-52 UL 2464

Cable Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- PVC insulation T12 to DIN VDE 0281 part 1
- Green-yellow grounding (3 conductors and above)
- Cores to VDE-0293 colors
- PVC sheath TM5 to DIN VDE 0281 part 1

Technical Characteristics:

- Working voltage: 300/500v
- Test voltage: 2000volts
- Flexing temperature: -5° C to +70° C
- Static temperature: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
20(16/32)	2x0.50	5.6	9.7	46
18(24/32)	2x0.75	6.2	14.4	52
17(32/32)	2x1	6.6	19.2	66
16(30/30)	2x1.5	7.6	29	77
14(30/50)	2x2.5	9.2	48	110
20(16/32)	3x0.50	5.9	14.4	54
18(24/32)	3x0.75	6.6	21.6	68
17(32/32)	3x1	7	29	78
16(30/30)	3x1.5	8.2	43	97
14(30/50)	3x2.5	10	72	154
20(16/32)	4x0.50	6.6	19	65
18(24/32)	4x0.75	7.2	28.8	82

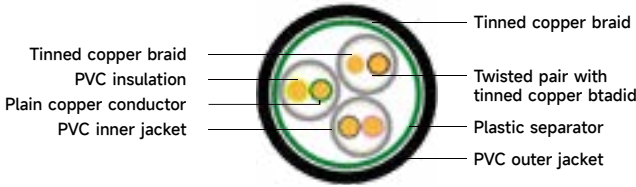
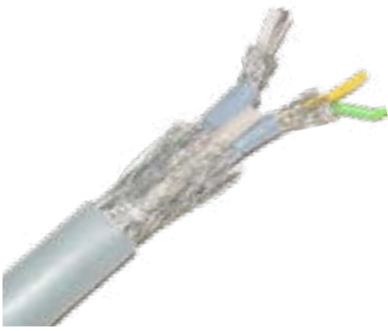
H05VV5-F(NYSLYÖ-JZ)

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
17(32/32)	4x1	7.8	38.4	104
16(30/30)	4x1.5	9.3	58	128
14(30/50)	4x2.5	10.9	96	212
20(16/32)	5x0.50	7.3	24	80
18(24/32)	5x0.75	8	36	107
17(32/32)	5x1	8.6	48	123
16(30/30)	5x1.5	10.3	72	149
14(30/50)	5x2.5	12.1	120	242
20(16/32)	6x0.50	8.1	28.8	104
18(24/32)	6x0.75	8.7	43.2	132
17(32/32)	6x1	9.5	58	152
16(30/30)	6x1.5	11.2	86	196
14(30/50)	6x2.5	13.2	144	292
20(16/32)	7x0.50	8.1	33.6	119
18(24/32)	7x0.75	8.9	50.5	145
17(32/32)	7x1	9.5	67	183
16(30/30)	7x1.5	11.4	101	216
14(30/50)	7x2.5	13.4	168	350
20(16/32)	12x0.50	10.9	58	186
18(24/32)	12x0.75	11.7	86	231
17(32/32)	12x1	12.8	115	269
16(30/30)	12x1.5	15	173	324
14(30/50)	12x2.5	17.9	288	543
20(16/32)	18x0.50	12.9	86	251
18(24/32)	18x0.75	14.1	130	313
17(32/32)	18x1	15.1	173	400
16(30/30)	18x1.5	18	259	485
14(30/50)	18x2.5	21.6	432	787
20(16/32)	25x0.50	15.4	120	349
18(24/32)	25x0.75	16.8	180	461
17(32/32)	25x1	18	240	546
16(30/30)	25x1.5	21.6	360	671
14(30/50)	25x2.5	25.8	600	1175
20(16/32)	36x0.50	17.7	172	510
18(24/32)	36x0.75	19.3	259	646
17(32/32)	36x1	20.9	346	775
16(30/30)	36x1.5	25	518	905
14(30/50)	36x2.5	29.8	864	1791

H05VV5-F(NYSLYÖ-JZ)

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
20(16/32)	50x0.50	21.5	240	658
18(24/32)	50x0.75	23.2	360	896
17(32/32)	50x1	24.5	480	1052
16(30/30)	50x1.5	28.9	720	1381
14(30/50)	50x2.5	35	600	1175
20(16/32)	61x0.50	23.1	293	780
18(24/32)	61x0.75	25.8	439	1030
17(32/32)	61x1	26	586	1265
16(30/30)	61x1.5	30.8	878	1640
14(30/50)	61x2.5	37.1	1464	2724

LIYCY CY



Standard and Approval:

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC,

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation to DIN VDE 0281 part 1
- Color coded to DIN 47100, but without color repetition
- Cores twisted into pairs, pairs twisted into layers
- Pairs screened individually, tinned copper braid, approx. 85% coverage
- PVC inner jacket
- Plastic foil separator
- 85% tinned copper braid
- PVC outer jacket to DIN VDE 0281 part 1

Technical Characteristics:

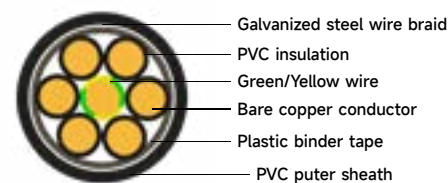
- Working voltage: 350 volts
- Test voltage: 1200 volts
- Minimum bending radius: 6 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

2x2x0.14mm²-24x2x0.5mm²

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL OVERALL DIAMETER MM	COPPER WEIGHT KG / KM	CABLE WEIGHT KG / KM
26(18/38)	2x2x0.14	7.3	31.0	95
26(18/38)	3x2x0.14	7.5	34.0	105
26(18/38)	4x2x0.14	9.3	45.0	140
26(18/38)	5x2x0.14	10.5	58.0	160
26(18/38)	6x2x0.14	11.0	67.0	185
26(18/38)	7x2x0.14	12.0	78.0	230
26(18/38)	8x2x0.14	13.5	97.0	245
26(18/38)	9x2x0.14	14.1	101.0	280
26(18/38)	10x2x0.14	14.0	108.0	325
26(18/38)	12x2x0.14	15.0	134.0	380
26(18/38)	16x2x0.14	17.0	179.0	440
26(18/38)	20x2x0.14	17.8	255.0	520
24(14/34)	2x2x0.25	9.5	62.0	125
24(14/34)	3x2x0.25	10.0	78.2	140
24(14/34)	4x2x0.25	12.0	124.1	205
24(14/34)	5x2x0.25	12.1	137.6	230
24(14/34)	6x2x0.25	13.0	148.1	275
24(14/34)	7x2x0.25	16.0	159.1	295
24(14/34)	8x2x0.25	17.0	178.7	330

SY STEEL WIRE BRAID



Standard and Approval:

BS6500, VDE0250

Cable Construction:

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type Y12
- Black with White numbers
- Green-yellow grounding (3 conductors and above)
- PVC bedding type YM2
- Galvanized Steel Wire Braid
- Transparent PVC outer jacket type YM2

Technical Characteristics:

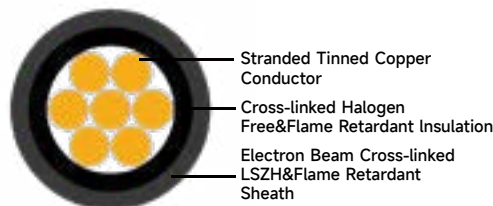
- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -15° C to +70° C
- Static temperature: -35° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.3
- Insulation resistance: 20 MΩ x km

Cross Section:

2X0.14mm²-20X0.75mm²

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	DIAMETER OVER BEDDING MM	DIAMETER OVER BRAID MM	NOMINAL OVERALL DIAMETER MM	CABLE WEIGHT KG / KM
20(16/32)	2x0.5	5.5	6.5	8.3	91
20(16/32)	3x0.5	5.7	6.7	8.6	99
20(16/32)	4x0.5	6.2	7.2	9.1	113
20(16/32)	5x0.5	6.7	7.7	9.7	129
20(16/32)	7x0.5	7.3	8.3	10.3	150
20(16/32)	12x0.5	9.7	10.7	12.4	214
20(16/32)	18x0.5	11.2	12.4	14.3	298
20(16/32)	25x0.5	13.7	14.9	16.8	400
20(16/32)	30x0.5	14.2	15.4	17.7	454
20(16/32)	35x0.5	15.9	17.1	19.9	585
20(16/32)	41x0.5	17.5	18.7	21.5	671
20(16/32)	50x0.5	18.4	19.6	21.9	694
20(16/32)	60x0.5	20.0	21.2	24.2	895
18(24/32)	2x0.75	6.1	7.1	9.0	85
18(24/32)	3x0.75	6.4	7.9	9.3	116
18(24/32)	4x0.75	6.9	8.6	9.8	133

TUV PV1-F



Approvals:

TÜV Rheinland 2pfg 1169 PV1-F 1X 1.5mm²- 35mm²
(Multiple color)

Cable Structure:

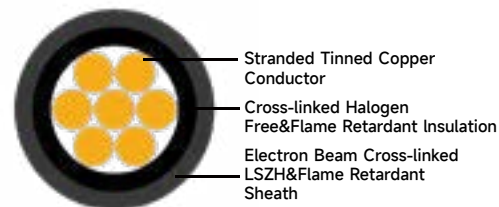
Conductor: Annealed soft tin copper
Insulation: Electron-beam cross-linked polyolefin
Jacket: Electron-beam cross-linked polyolefin

Technical data:

Rated voltage: U0/U=600/1000VAC,1800VDC
Voltage test on completed cable: 6.5kV AC,15kV DC,5min
Ambient temperature: -40°C up to +90°
Max.Temperature at conductor: +120° C
The expected period of use is 25years
(Ambiet temperature:-40° C Cup to+90°C)
The permitted short-circuit-temperature refer to a period of
5s is+200°C
Bending radius: ≥ 4xΦ (D < 8mm)
≥ 6xΦ(D ≥ 8mm)
Resistance against acid and alkaline solution: EN60811-2-1
Cold bending test: EN60811-1-4
Weathering/UV-resistance: HD605/A1
O-zone resistance at complete cable:EN50396
Flame test: IEC60332-1
Smoke density: IEC61034EN50268-2
Content of halogen acid gas: EC670754-1 EN50267-2-1

Cross section (mm ²)	Conductor construction (No./mm)	Conductor Stranded OD.max (mm)	Cable oD (mm)	Max Cond Resistance ohms/km	Current carrng Capacity AT 60° C (A)
1.5	30/0.25	1.58	4.90	13.7	30
2.5	49/0.25	2.02	5.40	8.21	41
4.0	56/0.285	2.50	6.10	5.09	55
6.0	84/0.285	3.17	7.20	3.39	70
10	84/0.4	4.56	9.00	1.95	98
16	128/0.4	5.6	10.2	1.24	132
25	192/0.4	6.95	12.00	0.795	176
35	276/0.4	8.74	13.80	0.565	218

EN H1Z2Z2-K



Approvals:

EN 50618 H1Z2Z2-K 1X1.5mm²~ 35mm²
(Multiple color)

Cable Structure:

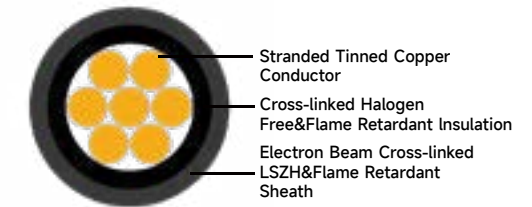
Conductor: Annealed soft tin copper
Insulation: Electron-beam cross-linked polyolefin
Jacket: Electron-beam cross-linked polyolefin

Technical data:

Rated voltage:AC U₀/U=1000/1000VAC,1500VDC
Voltage test on completed cable : 6.5kV AC,15kV DC,5min
Ambient temperature:-40° C up to +90°
Max.Temperature at conductor: ±120° C
Service life: 25years(-40° C up to+90° C
The permitted short-circuit-temperature refer to a period of 5s is+200°C
Bending radius: ≥ 4xΦ (D < 8mm)
≥ 6xΦ (D ≥ 8mm)
Test on acid and alkali resistance: EN60811-2-1
Cold bending test:EN60811-1-4
Damp heat test:EN60068-2-78
Sunlight resistance:EN60811-501, EN50289-4-17
O-zone resistance test of finished cable: EN50396
Flame test:IEC60332-1-2
Smoke density:IEC61034EN50268-2
Halogen acid release:IEC670754-1 EN50267-2-1

Cross section (mm ²)	Conductor construction (No./mm)	Conductor Stranded OD.max (mm)	Cable oD (mm)	Max Cond Resistance ohms/km	Current carring Capacity AT 60° C (A)
1.5	30/0.25	1.58	4.90	13.7	30
2.5	49/0.25	2.02	5.40	8.21	41
4.0	56/0.285	2.50	6.00	5.09	55
6.0	84/0.285	3.17	6.50	3.39	70
10	84/0.4	4.56	8.00	1.95	98
16	128/0.4	5.6	9.60	1.24	132
25	192/0.4	6.95	11.40	0.795	176
35	276/0.4	8.74	13.30	0.565	218

62930 IEC 131



Approvals:

TÜV Rheinland 62930 IEC 131 1x1.5mm²~ 35mm²
(Multiple color)

Cable Structure:

Conductor: Annealed soft tin copper
Insulation: Electron-beam cross-linked polyolefin
Jacket: Electron-beam cross-linked polyolefin

Technical data:

Rated voltage:AC U₀/U=1000/1000VAC,1500VDC
Voltage test on completed cable : 6.5kV AC,15kV DC,5min
Ambient temperature:-40° C up to +90°
Max.Temperature at conductor: +120° C
Service life: > 25years(-40° C up to+90° C
The permitted short-circuit-temperature refer to a period of 5s is+200°C
Bending radius: ≥ 4xΦ (D < 8mm)
≥ 6xΦ (D ≥ 8mm)
Compatibility test: IEC60811-401:2012.135 ± 2/168h
Acid and alkali resistance test: EN60811-2-1
Cold bending test: IEC60811-506
Damp heat test: IEC60068-2-78
Sunlight resistance:IEC62930
O-zone resistance test of finished cable:IEC60811-403
Fire test:IEC60332-1-2
Smoke density:IEC61034-2EN50268-2
Assessment of halogens for all non-metallic material:IEC62821-1

Cross section (mm ²)	Conductor construction (No./mm)	Conductor Stranded OD.max (mm)	Cable oD (mm)	Max Cond Resistance ohms/km	Current carring Capacity AT 60° C (A)
1.5	30/0.25	1.58	4.90	13.7	30
2.5	49/0.25	2.02	5.40	8.21	41
4.0	56/0.285	2.50	6.00	5.09	55
6.0	84/0.285	3.17	6.50	3.39	70
10	84/0.4	4.56	8.00	1.95	98
16	128/0.4	5.6	9.60	1.24	132
25	192/0.4	6.95	11.40	0.795	176
35	276/0.4	8.74	13.30	0.565	218

TUV PV1-F



Approvals:

TÜV Rheinland 2pfg 1169 PV1-F 2X1.5mm²~ 16mm²
(Multiple color)

Cable Structure:

Conductor: Annealed soft tin copper
Insulation: Electron-beam cross-linked polyolefin
Jacket: Electron-beam cross-linked polyolefin

Technical data:

Conductor: Tinned copper, according to VDE0295/IEC50228, class 5
Insulation: Polyolefin copolymer electron-beam cross-linked
Outer sheath: Polyolefin copolymer electron-beam cross-linked
Rated voltage: AC U₀/U=1000/1000VAC,1500VDC
Voltage test on finished cable :6.5kV AC,15kV DC5min
Ambient temperature:-40C up to +90°C
Conductor maximum temperature:+120° C
Service life: > 25years(-40° C up to+90° C
The permitted short-circuit-temperature refer to a period of 5s is+200° C
Bending radius: ≥ 4 x Φ (D < 8mm)
≥ 6 x Φ (D ≥ 8mm)
Acid and alkali resistance test: EN60811-2-1
Cold bending test: EN60811-1-4
Damp heat test: EN60068-2-78
Sunlight resistance:EN60811-501EN50289-4-17
O-zone resistance test of finished cable:EN50396
Fire test:EN60332-1-2
Smoke density:IEC61034,EN50268-2
Assessment of halogens for all non-metallic material: IEC670754-1 EN50267-2-1

Cross section (mm ²)	Conductor construction (No./mm)	Insulation Ave.Thic.(mm)	Sheath Ave.Thic. (mm)	Cable outside diameterminimum outer diameter(mm)	Max Cond Resistance (Ω/km,20°C)	Current carrying Capacity AT 60° C(A)
2*1.5	30/0.25	0.70	0.80	5.00*10.30	13.7	30
2*2.5	49/0.25	0.70	0.80	5.20*10.80	8.21	41
2*4.0	56/0.285	0.70	0.80	5.50*11.20	5.09	55
2*6.0	84/0.285	0.70	0.80	6.20*12.60	3.39	70
2*10	84/0.4	0.70	0.80	7.50*15.20	1.95	98
2*16	128/0.4	0.70	0.80	9.60*19.70	1.24	132

UL 4703 PV



Approvals:

UL Approvals UL 4703 600V

Cable Structure:

Conductor:Annealed soft tin copper
Insulation: Electron-beam cross-linked material
Jacket: Electron-beam cross-linked material

Technical data:

Nominal voltage: 600V AC
Voltage test on completed cable:3.0kV AC,1min
Ambient temperature:-40° C up to +90° C
Max.Temperature at conductor:+120° C
The expected period of use is 25years(Ambiet temperature:-40 Cup to+90° C
The permitted short-circuit-temperature refer to a period of 5s is+200° C
Bending radius: ≥ 4x Φ (D < 8mm)
≥ 6x Φ (D ≥ 8mm)
Relative permittivity:UL854
Cold bending test:UL854
Weathering/UV-resistance:UL2556
Fire test:UL1581 VW-1
Heat distortion test: UL1581-560(121 ± 2° C)X1h,2000g, ≤ 50%

Cross section (mm ²)	Conductor construction (No./mm)	Conductor Stranded OD.max (mm)	Cable oD (mm)	Max Cond Resistance ohms/km	Current carrying Capacity AT 60° C (A)
18	16/0.254	1.18	4.25	23.20	6
16	26/0.254	1.49	4.45	14.60	6
14	41/0.254	1.88	4.95	8.96	6
12	65/0.254	2.36	5.40	5.64	6
10	105/0.254	3.00	6.20	3.546	7.5
8	168/0.254	4.10	7.90	2.23	7.5
6	266/0.254	5.20	9.80	1.403	7.5
4	420/0.254	6.50	11.50	0.882	7.5
2	665/0.254	8.25	13.30	0.5548	7.5

UL 4703 PV



Approvals: UL Approvals UL 4703 1000V OR 2000V

Cable Structure:	Conductor: Annealed soft tin copper Insulation: Electron-beam cross-linked material Jacket: Electron-beam cross-linked material
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Technical data:

- Nominal voltage:600V AC
- Voltage test on completed cable:3.0kV AC,min
- Ambient temperature:-40°C up to+90°C
- MaxTemperature at conductor:+120°C
- The expected period of use is 25years(Ambiet temperature:-40°C Cup to+90-°C
- The permitted short-circuit-temperature refer to a period of 5s is+200° C
- Bending radius: $\geq 4 \times \Phi$ (D <8mm)
 $\geq 6 \times \Phi$ (D ≥ 8 mm)
- Relative permittivity:UL854
- Cold bending test:UL854
- Weathering/UVresistance:UL2556
- Fire test UL1581WW-1
- Heat dntortjon test: UL1581-560 (121±2°C) X 1h,2000g, $\leq 50\%$

Cross section (mm2)	Conductor construction (No./mm)	Conductor Stranded OD,max (mm)	Cable oD (mm)	Max Cond Resistance ohms/km	Current carrng Capacity AT 60° C (A)
18	16/0.254	1.18	5.00	23.20	6
16	26/0.254	1.49	5.30	14.60	6
14	41/0.285	1.88	5.70	8.96	6
12	65/0.285	2.36	6.20	5.64	6
10	105/0.254	3.00	6.90	3.546	7.5
8	168/0.254	4.10	8.40	2.23	7.5
6	266/0.254	5.20	10.30	1.403	7.5
2	420/0.254	6.50	11.70	0.882	7.5
2	665/0.254	8.25	13.50	0.5548	7.5

Solar Cable/H1Z2Z2-K



Standard and Approval: EN 50618, TÜV 2 PFG 1169/08.2007, EN 50288-3-7,
EN 60068-2-78, EN 50395
Flame retardant to IEC/EN 60332-1-2
Low Smoke Zero Halogen to IEC/EN 60754-1/2,
IEC/EN 61034-1/2, EN 50267-2-2
Ozone and UV Resistant to EN 60811-403, EN 50396,
EN ISO 4892-1/3,
Water Resistant to AD8

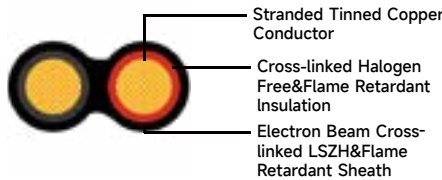
Cable Construction:	Conductor: Class 5 flexible tinned copper conductor
	Insulation: Halogen-free cross-linked compound
	Sheath: Halogen-free cross-linked, flame retardant compound

Technical Characteristics:	Voltage Rating U_0/U : AC: 1000/1000V DC: 1500/1500V Maximum Voltage (U_{max}): 1800V Test Voltage: 6.5kV AC Temperature Rating: Fixed: -40° C to +90° C Minimum Bending Radius : 5 x overall diameter Maximum Conductor Temperature: +120° C (for 20000h)
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Cross Section: 1.5mm²-240mm²

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20° C ohms/km
1	1.5	4.6	36	13.7
1	2.5	5.0	46	8.21
1	4	5.6	62	5.09
1	6	6.1	82	3.39
1	10	7.1	125	1.95
1	16	85	190	1.24
1	25	10.4	285	0.795
1	35	11.5	358	0.565
1	50	13.7	540	0.393
1	70	15.8	740	0.277
1	95	17.3	965	0.21

Solar Cable Twin Core



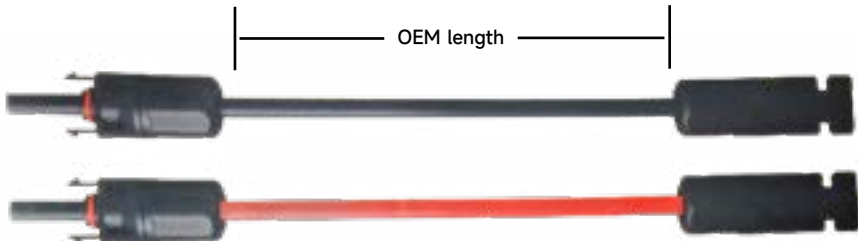
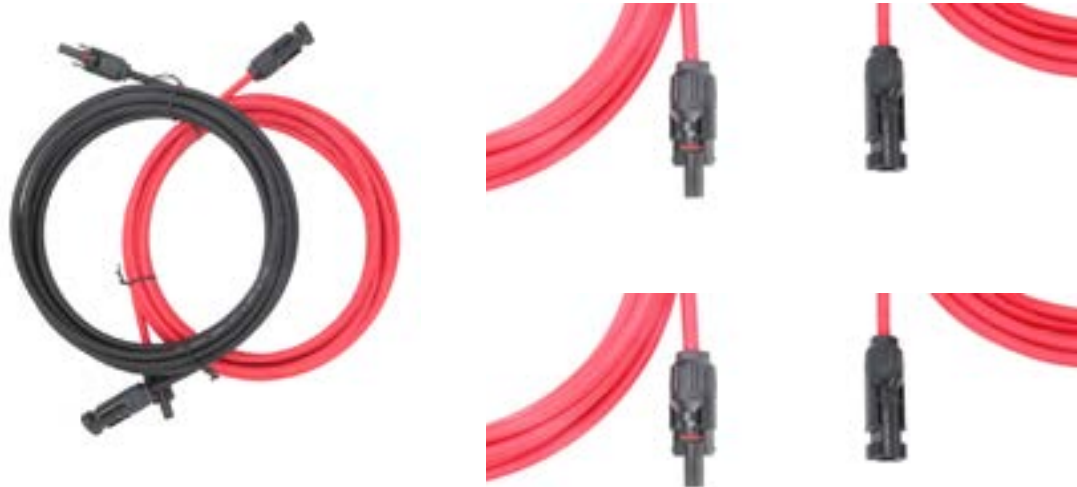
Standard and Approval: EN 50618, TÜV 2 PFG 1169/08.2007, EN 50288-3-7, EN 60068-2-78, EN 50395
Flame retardant to IEC/EN 60332-1-2
Low Smoke Zero Halogen to IEC/EN 60754-1/2, IEC/EN 61034-1/2, EN 50267-2-2
Ozone and UV Resistant to EN 60811-403, EN 50396, EN ISO 4892-1/3, Water Resistant to AD8

Cable Construction: Conductor:Class 5 flexible tinned copper conductor
Insulation:Halogen-free cross-linked compound
Sheath:Halogen-free cross-linked, flame retardant compound

Technical Characteristics: Voltage Rating Uo/U: AC: 1000/1000V DC: 1500/1500V
Maximum Voltage (Umax): 1800V
Test Voltage: 6.5kV AC
Temperature Rating: Fixed: -40° C to +90° C
Minimum Bending Radius : 5 x overall diameter
Maximum Conductor Temperature: +120° C (for 20000h)

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm2	NOMINAL OVERALL DIAMETER mm	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20° C ohms/km	WEIGHT kg/km
2	2.5	10	8.21	100
2	4	11	5.9	120
2	6	12.2	3.39	160
2	10	16.4	1.95	260
2	16	18.4	1.24	400
2	25	22.6	0.795	580
2	35	24.8	0.565	800
2	50	29.6	0.393	1100

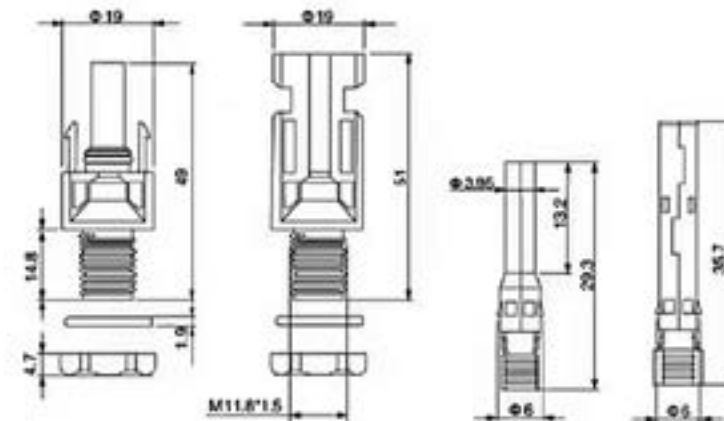
Solar Extension Cable



Parameter			
Rated Voltage:	1000V/1500VDC	Temp. Range:	-40° ~+90° C
Rated Current:	30A	Pollution Degree:	CATI LL/2
Contact matrial:	Tin-plated Copper	Protection Degree:	IP68
Contact resistance:	≤ 0.5mΩ	Flame class:	UL-94-V0
Insulation material:	PPO	Contact system:	Stamped
Locking system:	Snap-in	Cable Length:	Customized

Solar Connector 1000V

MCY-4Y



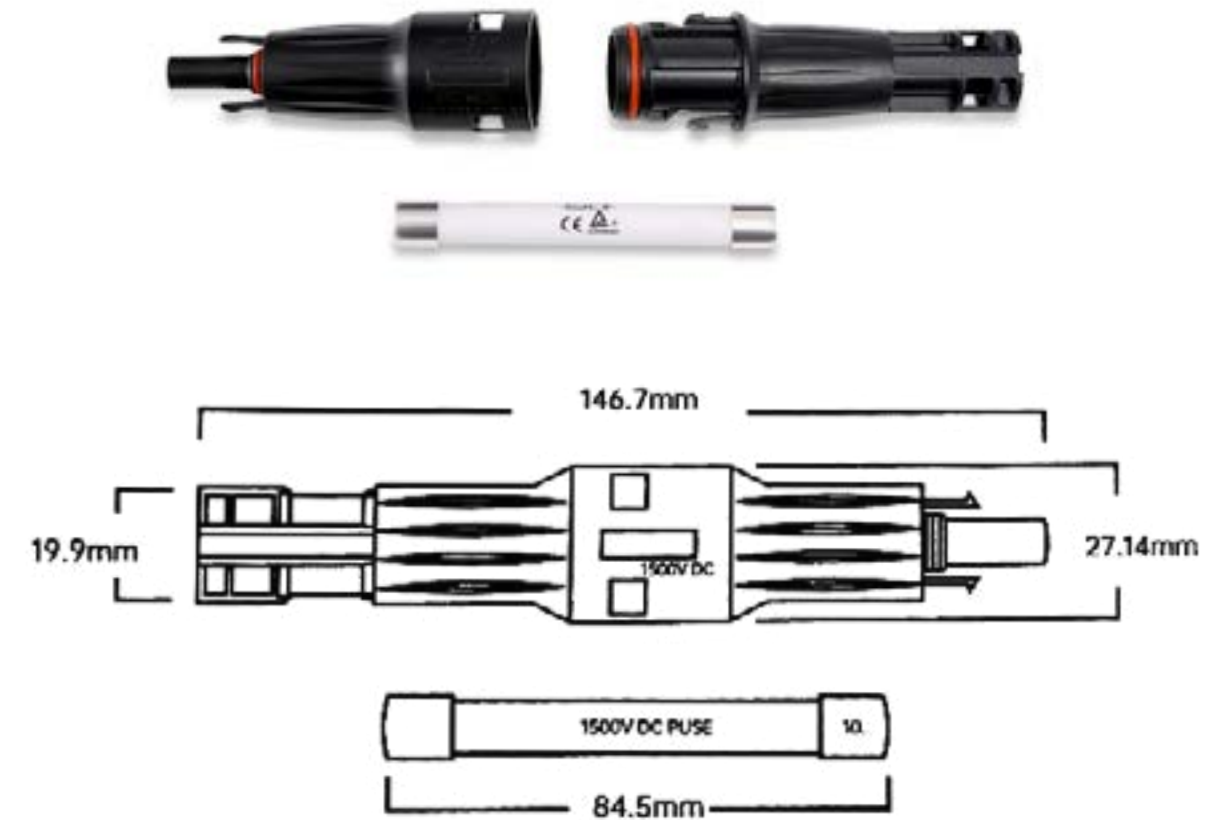
Solar Connector 1500V



Parameter

Rated Voltage:	1500DC	Temp. Range:	-40° ~+90° C
Rated Current:	30A(4.0mm ² ,6.0mm ²)	Pollution Degree:	CAT I II/2
Contact material:	Tin-plated Copper	Protection Degree:	IP68
Contact resistance:	≤ 0.5mΩ	Flame class:	UL-94-V0
Insulation material:	PPO	Contact system:	Stamped
Locking system:	Snap-in	Cable OD range	Φ5.3mm-7.65mm
Standard	IEC 62852		

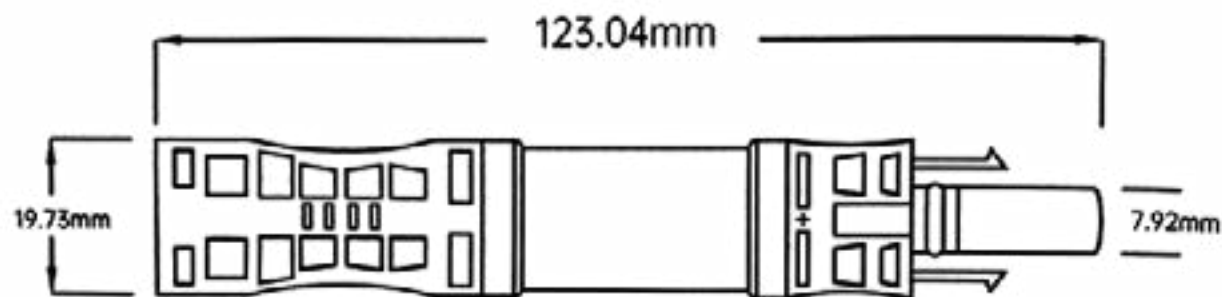
Fuse Connector



Parameter

Rated Voltage:	1500DC	Temp. Range:	-40° ~+90° C
Rated Current:	15A,20A	Pollution Degree:	CAT I II/2
Contact material:	Tin-plated Copper	Protection Degree:	IP68
Contact resistance:	≤ 0.5mΩ	Flame class:	UL-94-V0
Insulation material:	PPO	Contact system:	Stamped
Locking system:	Snap-in	Cable OD range	Φ4.5mm-7.8mm
Standard	IEC 62852		

Diode Connector



Parameter

Rated Voltage:	100V/1500VDC	Temp. Range:	-40° ~+90° C
Rated Current:	10A,15A,20A	Pollution Degree:	CAT I II/2
Contact matrial:	Tin-plated Copper	Protection Degree:	IP68
Contact resistance:	≤ 0.5mΩ	Flame class:	UL-94-V0
Insulation material:	PPO	Contact system:	Stamped
Locking system:	Snap-in	Cable OD range	Φ4mm-6mm
Standard	IEC 62852		

Diode Connector

MC4-2T



MC4-3T



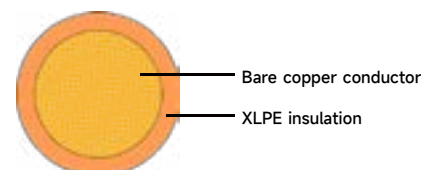
MC4-4T



Parameter

Product NO.	MC4-2T	MC4-3T	MC4-4T
Branch	2 in 1	3 in 1	4 in 1
Rated Voltage	1000VDC,1500VDC	1000VDC,1500VDC	1000VDC,1500VDC
Rated Current	30A	30A	30A
Cable cross section areas	IP68	IP68	IP68
Contact resistance	≤ 0.5mΩ	≤ 0.5mΩ	≤ 0.5mΩ
Insulation material	Copper,tin-plated	Copper,tin-plated	Copper,tin-plated
Insulation material	PPO	PPO	PPO
Temp.Range	-40°C ~+90°C	-40°C ~+90°C	-40°C ~+90°C
Locking system	Snap-in	Snap-in	Snap-in
Flame class	UL-94-V0	UL-94-V0	UL-94-V0
Cable Size	4mm2/6mm2	4mm2/6mm2	4mm2/6mm2

EVR



Standard and Approval:

Refer to ISO 6722
China GB/T 12528

Cable Construction:

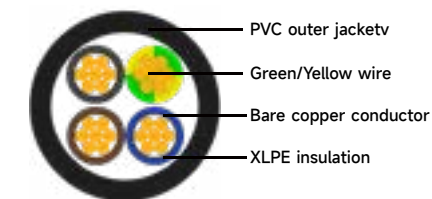
Conductor: strand Oxygen-free copper
Insulation: XLPE 125 °C
Sheath: XLPE 125 °C

Technical Characteristics:

Rated temperature : -40°C ~+125 °C
Rated voltage: AC 600V/DC 900V ; AC 1000V/DC 1500V
Flame Test : comply with DIN VDE 0482-332-1-2
Bending Radius: 4*OD,OD<15mm ; 6*OD,OD>15mm
Dielectric voltage: 5kva in 5min. No Breakdown
Oil Resistance : DIN VDE 0473-811-404
Anti-tear Performance : >20N/mm
Environmental Requirements : Compliant with RoHS and REACH

NOMINAL CROSS SECTIONAL AREA	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible capacity A (Ref.)	Over diameter mm (Ref.)
1.5	1.60	12.7	18	2.30
2.5	2.06	7.60	25	2.85
4	2.70	4.71	35	3.55
6	3.40	3.14	45	4.15
10	4.50	1.82	70	5.60
16	5.60	1.16	95	6.90
25	7.20	0.743	130	8.40
35	8.30	0.527	160	9.80
50	10.1	0.368	210	11.9
70	12.1	0.259	260	14.1

RV-K



Standard and Approval:

UNE 21123-2, IEC 60502; IEEE 383; UNE-EN 50265-2-1, UNE-EN 60502-1, IEC 60332-1

Cable Construction:

- Flexible plain copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- XLPE (Cross-Linked Polyethylene) insulation to IEC60502
- Color code VDE-0293-308
- Flexible black PVC (Polyvinyl Chloride) jacket

Technical Characteristics:

- Voltage Rating: 600/1000V
- Temperature Rating: -15° C to +90° C
- Minimum Bending Radius: 5 x overall diameter
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Cross Section:

1×2.5mm²-5×50mm²

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL THICKNESS OF INSULATION MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
Single core				
14(50/30)	1 x 2.5	0.7	6.2	54
12(56/28)	1 x 4.0	0.7	6.7	70
10(84/28)	1 x 6.0	0.7	7.3	90
8(80/26)	1 x 10.0	0.7	8.2	133
6(128/26)	1 x 16.0	0.7	9.2	189
4(200/26)	1 x 25.0	0.9	11	284
2(280/26)	1 x 35.0	0.9	12.1	381
1(400/26)	1 x 50.0	1	13.8	517
2/0(356/24)	1 x 70.0	1.1	15.7	712
3/0(485/24)	1 x 95.0	1.1	17.6	923
4/0(614/24)	1 x 120.0	1.2	19.2	1165
300MCM	1 x 150.0	1.4	21.5	1446
350MCM	1 x 185.0	1.6	23.9	1748
500MCM	1 x 240.0	1.7	26.9	2280
-	1 x 300.0	1.8	29.6	2829
-	1 x 400.0	2	33.8	3731
-	1 x 500.0	2.2	37.4	4776
-	1 x 630.0	2.4	42.7	6276

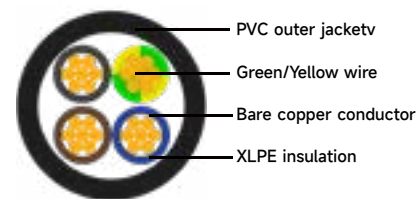
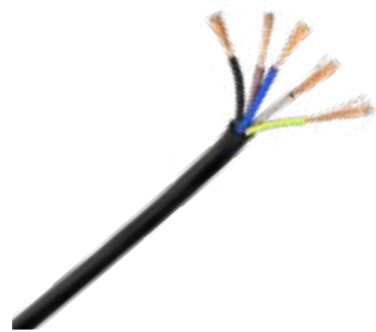
RV-K

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL THICKNESS OF INSULATION MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
Two cores				
16(30/30)	2 x 1.5	0.7	8.2	90
14(50/30)	2 x 2.5	0.7	9.2	120
12(56/28)	2 x 4.0	0.7	10.3	161
10(84/28)	2 x 6.0	0.7	11.3	211
8(80/26)	2 x 10.0	0.7	13.2	316
6(128/26)	2 x 16.0	0.7	14.9	450
Three cores(including ground core)				
16(30/30)	3 x 1.5	0.7	8.9	108
14(50/30)	3 x 2.5	0.7	9.8	144
12(56/28)	3 x 4.0	0.7	11	198
10(84/28)	3 x 6.0	0.7	12.1	263
8(80/26)	3 x 10.0	0.7	14.3	405
Three cores				
6(128/26)	3 x 16.0	0.7	16.4	593
4(200/26)	3 x 25.0	0.9	21.3	975
2(280/26)	3 x 35.0	0.9	24.1	1319
1(400/26)	3 x 50.0	1	27.8	1812
2/0(356/24)	3 x 70.0	1.1	30.8	2463
Four cores(including ground core)				
16(30/30)	4 x 1.5	0.7	9.7	129
14(50/30)	4 x 2.5	0.7	10.7	175
12(56/28)	4 x 4.0	0.7	12	243
10(84/28)	4 x 6.0	0.7	13.4	328
8(80/26)	4 x 10.0	0.7	15.7	505
Four cores				
6(128/26)	4 x 16.0	0.7	18.2	749
4(200/26)	4 x 25.0	0.9	24.1	1245
2(280/26)	4 x 35.0	0.9	26.3	1671
1(400/26)	4 x 50.0	1	31.3	2313
2/0(356/24)	4 x 70.0	1.1	36.1	3204
3/0(485/24)	4 x 95.0	1.1	40.2	4126
4/0(614/24)	4 x 120.0	1.2	44.6	5245
300MCM	4 x 150.0	1.4	49.8	6573
350MCM	4 x 185.0	1.6	56.1	8050
500MCM	4 x 240.0	1.7	64.5	10695

RV-K

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM²	NOMINAL THICKNESS OF INSULATION MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
Five cores(including ground core)				
16(30/30)	5 x 1.5	0.7	10.4	153
14(50/30)	5 x 2.5	0.7	11.6	213
12(56/28)	5 x 4.0	0.7	13.2	298
10(84/28)	5 x 6.0	0.7	14.7	403
8(80/26)	5 x 10.0	0.7	17.2	624
6(128/26)	5 x 16.0	0.7	20.2	931
4(200/26)	5 x 25.0	0.9	25.6	1555
2(280/26)	5 x 35.0	0.9	29.3	2076
1(400/26)	5 x 50.0	1	34.5	2878

RZ1-K(AS) 0.6/1kV



Standard and Approval:

These cables with zero Halogen are high security cables. In case of fire, they do not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

Cable Construction:

- Flexible electrolytic annealed copper conductor
- Class 5 in accordance with IEC 60228
- XLPE insulation type DIX 3 according to HD603.
- Color coded to HD 308
- LOSH polyolephine outer sheath according to UNE 21123

Technical Characteristics:

- Working voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Working temperature: -15° C to +90° C
- Short circuit temperature: +250° C
- Insulation resistance: 20 MΩ x km
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- No toxic gases: NES 02-713, NF X 70-100
- Low smoke density: IEC 61034, EN 50268-2
- Flame retardant: IEC 60332-1, EN 50265-2-1
- Non-flame propagating: IEC 60332-3, EN 50266-2

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL THICKNESS OF INSULATION MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
14(50/30)	1x2.5	0.7	6.1	57
12(56/28)	1x4	0.7	6.7	73
10(84/28)	1x6	0.7	7.2	94
8(80/26)	1x10	0.7	8.1	136
6(128/26)	1x16	0.7	9.0	192
4(200/26)	1x25	0.9	11.0	286
2 (280/26)	1x35	0.9	12.1	380
1(400/26)	1x50	1	13.8	520
2/0 (356/24)	1x70	1.1	15.9	716
3/0 (485/24)	1x95	1.1	17.6	924
4/0(614/24)	1x120	1.2	19.4	1167
300 MCM (765/24)	1x150	1.4	21.5	1456
350 MCM (944/24)	1x185	1.6	24.1	1762
500MCM (1225/24)	1x240	1.7	26.9	2283
-	1x300	1.8	29.6	2832
-	1 x 400.0	2	33.8	3735

RZ1-K(AS) 0.6/1kV

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA # X MM ²	NOMINAL THICKNESS OF INSULATION MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
-	1x500	2.2	38.0	4845
-	1x630	2.4	43.1	6311
16(30/30)	2x1.5	0.7	8.3	97
14(50/30)	2x2.5	0.7	9.2	127
12(56/28)	2x4	0.7	10.1	167
10(84/28)	2x6	0.7	11.2	219
8(80/26)	2x10	0.7	13.0	323
6(128/26)	2x16	0.7	15.8	490
16(30/30)	3G1.5	0.7	8.8	114
14(50/30)	3G2.5	0.7	9.8	151
12(56/28)	3G4	0.7	11	206
10(84/28)	3G6	0.7	12	271
8(80/26)	3G10	0.7	14.1	412
6(128/26)	3x16	0.7	16.9	624
4(200/26)	3x25	0.9	20.6	947
2 (280/26)	3X35	0.9	23.4	1276
1(400/26)	3X50	1	26.8	1752
2/0(356/24)	3x70	1.1	31.5	2436
8(80/26)	3x10/6	0.7	16.1	493
6(128/26)	3x16/10	0.7	18.0	724
4(200/26)	3x25/16	0.7	21.8	1091
2 (280/26)	3x35/16	0.7	24.1	1405
1(400/26)	3x50/25	0.7	28.1	1968
2/0(356/24)	3x70/35	0.7	32.6	2722
3/0(485/24)	3x95/50	0.9	37.0	3598
4/0(614/24)	3x120/70	0.9	41.5	4609
300 MCM (765/24)	3x150/70	1	44.9	5579
350 MCM (944/24)	3x185/95	1.1	51.5	6926
500MCM (1225/24)	3x240/120	1.1	58.8	9030
16(30/30)	4G 1.5	1.2	9.7	136
14(50/30)	4G 2.5	1.4	10.6	182
12(56/28)	4G 4	1.6	12.0	252
10(84/28)	4G 6	1.7	13.3	336
8(80/26)	4G 10	0.7	15.4	513
6(128/26)	4x16	0.7	18.7	783
4(200/26)	4x25	0.7	23.1	1196

Battery Cable (Prime)



Cable Structure

Conductor: Annealed soft bare copper
Insulation: 125° C/150° C thermosetting elastomers

Features

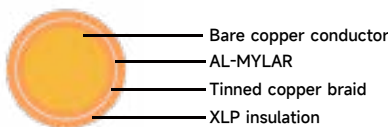
Fine bare copper strands
Strands to VDE-0295 Class-6, IEC 60228 Class-6
Special PVC TII core insulation
Cores to VDE-0293 colors on chart

Application

Used for EV car battery high voltage system, Battery connection of Energy Storage System, flexible cable

AWG	Conductor construction (No./mm)	Stranded Dia. (mm)	Conductor Max Resistance AT 20° c(Ω/km)	Nominal Thickness (mm)	Insulation Dia. (mm)
1×4mm ²	133/0.2	2.66	4.71	0.80	4.3
1×6mm ²	190/0.2	3.42	3.14	0.80	5.1
1×10mm ²	323/0.2	4.40	1.82	1.00	6.5
1×16mm ²	513/0.2	5.70	1.16	1.00	7.9
1×25mm ²	798/0.2	6.70	0.743	1.30	9.6
1×35mm ²	1121/0.2	8.00	0.527	1.30	10.6
1×50mm ²	1596/0.2	9.50	0.368	1.50	12.50
1×70mm ²	2257/0.2	11.50	0.259	1.50	14.50
1×95mm ²	1887/0.2	13.50	0.196	1.60	16.90
1×120mm ²	2368/0.254	15.60	0.153	1.60	19.00

EVRP



Standard and Approval:

Refer to ISO 6722
China GB/T 12528

Cable Construction:

Conductor: strand Oxygen-free copper
Insulation: XLPE 150 °C
Shield: Tinned copper braid, coverage >85%
Sheath: XLPE 150 °C

Technical Characteristics:

Rated temperature : -40°C ~+150 °C
Rated voltage: AC 600V/DC 900V ; AC 1000V/DC 1500V
Flame Test : comply with DIN VDE 0482-332-1-2
Bending Radius: 4*OD, OD<15mm ; 6*OD, OD>15mm
Dielectric voltage: 5kva in 5min. No Breakdown
Oil Resistance : DIN VDE 0473-811-404
Anti-tear Performance : >20N/mm
Environmental Requirements : Compliant with RoHS and REACH

Cross Section:

1.5mm²-120mm²

NOMINAL CROSS SECTIONAL AREA	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible capacity A (Ref.)	Over diameter mm (Ref.)
1.5	1.60	12.7	18	4.00
2.5	2.06	7.60	25	4.60
4	2.70	4.71	35	5.40
6	3.40	3.14	45	6.40
10	4.50	1.82	70	8.20
16	5.60	1.16	95	9.50
25	7.20	0.743	130	11.50
35	8.30	0.527	160	13.50
50	10.1	0.368	210	15.50
70	12.1	0.259	260	18.00

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C MΩ/M	CAPACITANCE pF/M	INDUCTANCE nH/m	IMPEDANCE ohms	CURRENT RATING A			
					at 20°C	at 85°C	at 125°C	at 140°C
25	0.743	600	100	10	310	260	240	220
35	0.527	600	100	10	375	325	280	360
50	0.368	670	105	10	458	420	360	340
70	0.259	670	134	-	600	525	455	425
95	0.196	630	150	-	705	640	560	510

6XV1830-0EH10



ELECTRICAL DATA

ATTENUATION FACTOR PER LENGTH:	● at 9.6 kHz / maximum ● at 38.4 kHz / maximum ● at 4 MHz / maximum ● at 16 MHz / maximum	0.0025 dB/m 0.004 dB/m 0.022 dB/m 0.042 dB/m
IMPEDANCE:	● rated value ● at 9.6 kHz ● at 38.4 kHz ● at 3 MHz ... 20 MHz	150 Ω 270 Ω 185 Ω 150 Ω
RELATIVE SYMMETRICAL TOLERANCE:	● of the characteristic impedance at 9.6 kHz ● of the characteristic impedance at 38.4 kHz ● of the characteristic impedance at 3 MHz ... 20 MHz	10 % 10 % 10 %
LOOP RESISTANCE PER LENGTH / MAXIMUM:		110 mΩ/m
SHIELD RESISTANCE PER LENGTH / MAXIMUM:		9.5 Ω/km
CAPACITY PER LENGTH / AT 1 KHZ:		28.5 pF/mv
OPERATING VOLTAGE:	● RMS value	100 V

MECHANICAL DATA

NUMBER OF ELECTRICAL CORES:		2
DESIGN OF THE SHIELD:		Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
TYPE OF ELECTRICAL CONNECTION / FASTCONNECT:		Yes
OUTER DIAMETER:	● of inner conductor ● of the wire insulation ● of the inner sheath of the cable ● of cable sheath	0.64 mm 2.55 mm 5.4 mm 8 mm
SYMMETRICAL TOLERANCE OF THE OUTER DIAMETER / OF CABLE SHEATH:		0.4 mm
MATERIAL:	● of the wire insulation ● of the inner sheath of the cable ● of cable sheath	polyethylene (PE) PVC PVC
COLOR:	● of the insulation of data wires ● of cable sheath	red/green Violet
BENDING RADIUS:	● with single bend / minimum permissible ● with multiple bends / minimum permissible	37.5 mm 75 mm
TENSILE LOAD / MAXIMUM:		100 N
WEIGHT PER LENGTH:		78 kg/km
FIRE BEHAVIOR:		flame resistant according to IEC 60332-3-24 (Category C) and UL 1685 (CSA FT 4)
CLASS OF BURNING BEHAVIOUR / ACCORDING TO EN 13501-6:		Eca
CHEMICAL RESISTANCE:	● to mineral oil ● to grease ● to water	oil resistant according to IEC 60811-2-1 (4 h / 70° C) Conditional resistance conditional resistancecv

6XV1830-0EH10 (0.75)



ELECTRICAL DATA

ATTENUATION FACTOR PER LENGTH:	● at 9.6 kHz / maximum ● at 38.4 kHz / maximum ● at 4 MHz / maximum ● at 16 MHz / maximum	0.0025 dB/m 0.004 dB/m 0.022 dB/m 0.042 dB/m
IMPEDANCE:	● rated value ● at 9.6 kHz ● at 38.4 kHz ● at 3 MHz ... 20 MHz	150 Ω 270 Ω 185 Ω 150 Ω
RELATIVE SYMMETRICAL TOLERANCE:	● of the characteristic impedance at 9.6 kHz ● of the characteristic impedance at 38.4 kHz ● of the characteristic impedance at 3 MHz ... 20 MHz	10 % 10 % 10 %
LOOP RESISTANCE PER LENGTH / MAXIMUM:		110 mΩ/m
SHIELD RESISTANCE PER LENGTH / MAXIMUM:		9.5 Ω/km
CAPACITY PER LENGTH / AT 1 KHZ:		28.5 pF/mv
OPERATING VOLTAGE:	● RMS value	100 V

MECHANICAL DATA

NUMBER OF ELECTRICAL CORES:		2
DESIGN OF THE SHIELD:		Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
TYPE OF ELECTRICAL CONNECTION / FASTCONNECT:		Yes
OUTER DIAMETER:	● of inner conductor ● of the wire insulation ● of the inner sheath of the cable ● of cable sheath	0.75 mm 2.55 mm 5.4 mm 9 mm
SYMMETRICAL TOLERANCE OF THE OUTER DIAMETER / OF CABLE SHEATH:		0.4 mm
MATERIAL:	● of the wire insulation ● of the inner sheath of the cable ● of cable sheath	polyethylene (PE) PVC PVC
COLOR:	● of the insulation of data wires ● of cable sheath	red/green Violet
BENDING RADIUS:	● with single bend / minimum permissible ● with multiple bends / minimum permissible	37.5 mm 75 mm
TENSILE LOAD / MAXIMUM:		100 N
WEIGHT PER LENGTH:		78 kg/km
FIRE BEHAVIOR:		flame resistant according to IEC 60332-3-24 (Category C) and UL 1685 (CSA FT 4)
CLASS OF BURNING BEHAVIOUR / ACCORDING TO EN 13501-6:		Eca
CHEMICAL RESISTANCE:	● to mineral oil ● to grease ● to water	oil resistant according to IEC 60811-2-1 (4 h / 70° C) Conditional resistance conditional resistancecv

6XV1840-2AH10



ELECTRICAL DATA

ATTENUATION FACTOR PER LENGTH:	● at 10 MHz / maximum ● at 100 MHz / maximum
IMPEDANCE:	● at 1 MHz ... 100 MHzv
RELATIVE SYMMETRICAL TOLERANCE:	● of the characteristic impedance at 1 MHz ... 100 MHz
NEAR-END CROSSTALK PER LENGTH:	● at 1 MHz ... 100 MHz
TRANSFER IMPEDANCE PER LENGTH / AT 10 MHZ:	
LOOP RESISTANCE PER LENGTH / MAXIMUM:	
OPERATING VOLTAGE:	● RMS value
NVP VALUE IN PERCENT:	

0.052 dB/m
0.195 dB/m
100 Ω
15 %
0.5 dB/m
10 mΩ/m
115 mΩ/m
80 V
69 %

MECHANICAL DATA

NUMBER OF ELECTRICAL CORES:	
DESIGN OF THE SHIELD:	
TYPE OF ELECTRICAL CONNECTION / FASTCONNECT:	
CORE DIAMETER:	● of AWG22 insulated conductor
OUTER DIAMETER:	● of inner conductor ● of the wire insulation ● of the inner sheath of the cable ● of cable sheath
SYMMETRICAL TOLERANCE OF THE OUTER DIAMETER / OF CABLE SHEATH:	
MATERIAL:	● of the wire insulation ● of the inner sheath of the cable ● of cable sheath
COLOR:	● of the insulation of data wires ● of cable sheath
BENDING RADIUS:	● with single bend / minimum permissible ● with multiple bends / minimum permissible
TENSILE LOAD / MAXIMUM:	
WEIGHT PER LENGTH:	
CHEMICAL RESISTANCE:	● to mineral oil ● to grease ● to water
RADIOLOGICAL RESISTANCE / TO UV RADIATION:	

4
Overlapped aluminum-clad foil, sheathed in a braided screen of tin- plated copper wires
Yes
0.64 mm
0.64 mm 1.5 mm 3.9 mm 6.5 mm
0.2 mm
polyethylene (PE) PVC PVC
white/yellow/blue/orange green
19.5 mm 49 mm
150 N
61 kg/km
oil resistant according to IEC 60811-2-1 (4 h / 70° C) Conditional resistance conditional resistance resistant

6XV1830-3EH10



ELECTRICAL DATA

ATTENUATION FACTOR PER LENGTH:	● at 9.6 kHz / maximum ● at 38.4 kHz / maximum ● at 4 MHz / maximum ● at 16 MHz / maximum
IMPEDANCE:	● rated value ● at 9.6 kHz ● at 38.4 kHz ● at 3 MHz ... 20 MHz
RELATIVE SYMMETRICAL TOLERANCE:	● of the characteristic impedance at 9.6 kHz ● of the characteristic impedance at 38.4 kHz ● of the characteristic impedance at 3 MHz ... 20 MHz
LOOP RESISTANCE PER LENGTH / MAXIMUM:	
SHIELD RESISTANCE PER LENGTH / MAXIMUM:	
CAPACITY PER LENGTH / AT 1 KHZ:	
OPERATING VOLTAGE:	● RMS value

0.0025 dB/m
0.004 dB/m
0.025 dB/m
0.049 dB/m
150 Ω
270 Ω
185 Ω
150 Ω
10 %
10 %
10 %

MECHANICAL DATA

NUMBER OF ELECTRICAL CORES:	
DESIGN OF THE SHIELD:	
TYPE OF ELECTRICAL CONNECTION / FASTCONNECT:	
OUTER DIAMETER:	● of inner conductor ● of the wire insulation ● of the inner sheath of the cable ● of cable sheath
SYMMETRICAL TOLERANCE OF THE OUTER DIAMETER / OF CABLE SHEATH:	
MATERIAL:	● of the wire insulation ● of the inner sheath of the cable ● of cable sheath
COLOR:	● of the insulation of data wires ● of cable sheath
BENDING RADIUS:	● with single bend / minimum permissible ● with multiple bends / minimum permissible
TENSILE LOAD / MAXIMUM:	
WEIGHT PER LENGTH:	
FIRE BEHAVIOR:	
NUMBER OF BENDING CYCLES:	
CLASS OF BURNING BEHAVIOUR / ACCORDING TO EN 13501-6:	
CHEMICAL RESISTANCE:	● to mineral oil ● to grease ● to water

2
Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
Yes
0.67 mm 2.56 mm 5.4 mm 8 mm
0.4 mm
polyethylene (PE) PVC PUR (TPE-U)
red/green petrol
40 mm 120 mm
100 N
77 kg/km
flame resistant according to IEC 60332-1-2
3000000; Drag chain suitable for 3 million bending cycles at a bending radius of120 mm (15x D), a speed of 4 m/s and an acceleration of 4 m/s ²
Eca
oil resistant according to IEC 60811-2-1 (7x24h/90° C) resistant conditional resistance

6XV1830-7AH10



ELECTRICAL DATA

DAMPING RATIO PER LENGTH:	- at 9.6 kHz / maximum - at 38.4 kHz / maximum - at 4 MHz / maximum - at 16 MHz / maximum	0.004 dB/m 0.004 dB/m 0.025 dB/m 0.049 dB/m
IMPEDANCE:	- Rated value - at 9.6 kHz - at 38.4 kHz - at 3 MHz ... 20 MHz 150 Ω	150 Ω 270 Ω 185 Ω 150 Ω
RELATIVE SYMMETRICAL TOLERANCE:	- of the characteristic impedance at 9.6 kHz - of the characteristic impedance at 38.4 kHz - of the characteristic impedance at 3 MHz ... 20MHz	10 % 10 % 10 %
LOOP RESISTANCE PER LENGTH / MAXIMUM:		138 Ω/km
SHIELD RESISTANCE PER LENGTH / MAXIMUM:		15 Ω/km
INSULATION RESISTANCE COEFFICIENT:		20 GΩ·m
OPERATING VOLTAGE / MAXIMUM:		80 V
CAPACITY PER LENGTH / AT 1 KHZ:		30 pF/m
OPERATING VOLTAGE / RMS VALUE:		100 V
CONDUCTOR CROSS SECTION / OF THE POWER WIRE:		1.5 mm²
CONTINUOUS CURRENT / OF THE POWER WIRES:		12 A

MECHANICAL DATA

NUMBER OF ELECTRICAL CORES:		6
DESIGN OF THE SHIELD:		Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
TYPE OF ELECTRICAL CONNECTION / FASTCONNECT:		NO
CORE DIAMETER:	- of inner conductor - of the wire insulation - of cable sheath	0.67 mm 2.56 mm 11 mm
SYMMETRICAL TOLERANCE OF THE OUTER DIAMETER / OF CABLE SHEATH:		0.3 mm
MATERIAL:	- of the wire insulation - of cable sheath	polyethylene (PE) PUR
COLOR:	- of the insulation of data wires - of the power wire insulation - of cable sheath	red / green Black Violet
BENDING RADIUS:	with multiple bends / minimum permissible	82.5 mm
NUMBER OF BENDING CYCLES:		5000000; For use in cable carriers, for 5 million bending cycleswith a bending radius of 82.5 mm (7.5x D) and an acceleration of2.5 m/s²
TENSILE LOAD / MAXIMUM:		300 N
WEIGHT PER LENGTH:		150 kg/km
CHEMICAL RESISTANCE:	- to mineral oil - to grease	Conditional resistance Conditional resistance
RADIOLOGICAL RESISTANCE / TO UV RADIATION:		Resistant

AUTOMOTIVE CABLE

Unleash Automotive Excellence with Our Precision Cables

Discover a world of automotive possibilities with our premium cable solutions. Our cables are meticulously designed and crafted to power the vehicles of today and tomorrow. Reliability, durability, and high performance are at the core of our automotive cables. Drive innovation, choose us as your trusted partner, and accelerate towards automotive excellence.

FEP WIRE

RATED VOLTAGE: 300V

RATED TEMPERATURE: -65 degrees - + 200 degrees.

CONDUCTOR MATERIAL: SILVER STRANDED COPPER.

Corrosion resistance: OIL RESISTANCE, HIGH AND LOW TEMPERATURE RESISTANCE.

Cross Section: 30AWG-10AWG



AWG	THICKNESS WALL NOM. MM	Dia. (mm)	Di a. (mm)	Temperature (°C)
30	7/0.1	0.3±0.1	0.3±0.1	200
28	7/0.127	0.38±0.1	0.38±0.1	200
26	7/0.16	0.48±0.1	0.48±0.1	200
24	7/0.2	0.61±0.1	0.61±0.1	200
22	19/0.15	0.75±0.1	0.75±0.1	200
20	19/0.19	0.95±0.1	0.95±0.1	200
18	19/0.235	1.18±0.1	1.18±0.1	200
16	19/0.3	1.5±0.1	1.5±0.1	200
14	19/0.37	1.85±0.1	1.85±0.1	200
12	19/0.49	2.45±0.1	2.45±0.1	200
10	19/0.60	3.0±0.1	3.00±0.1	200

FEP WIRE UL10064

RATED VOLTAGE: 300V

RATED TEMPERATURE: -65 degrees - + 200 degrees.

CONDUCTOR MATERIAL: TINNED STRANDED COPPER.

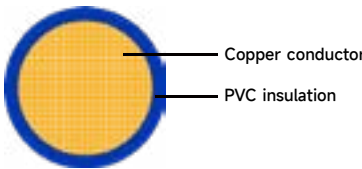
Corrosion resistance: OIL RESISTANCE, HIGH AND LOW TEMPERATURE RESISTANCE.

Cross Section: 0.5mm²-240mm²



AWG	THICKNESS WALL NOM. MM	Dia. (mm)	PACKAGE	Temperature (°C)
36	7/0.05	0.28±0.1	305M	200
34	7/0.06	0.32±0.1	305M	200
32	7/0.08	0.38±0.1	305M	200
30	7/0.1	0.53±0.1	305M	200
28	7/0.12	0.6±0.1	152M	200
26	7/0.16	0.7±0.1	152M	200
24	12/0.16	0.9±0.1	80M	200

FLY



Standard and Approval: This PVC insulated single-core unshielded low-tension wire is used for automobiles.

Cable Construction: Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation: PVC
Standard: ISO 6722 Class B

Technical Characteristics: Conductors >6mm² are suitable for use as battery cables
Operating temperature: -40° C to +105° C

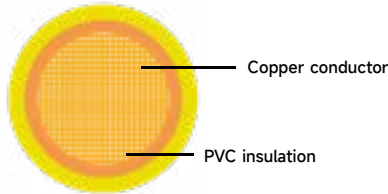
Cross Section: 1×0.5mm²-1×120mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL NOM. MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.5	37.1	0.48	2.3	8
1×0.75	24.7	0.48	2.5	12
1×1	18.5	0.48	2.7	15
1×1.5	12.7	0.48	3	20
1×2	9.42	0.6	3.2	26
1×2.5	7.6	0.7	3.7	32
1×3	6	0.7	3.9	37
1×4	4.71	0.8	4.4	49
1×6	3.14	0.8	5	68
1×10	1.82	0.8	6.5	117
1×16	1.16	0.8	8.3	193
1×25	0.74	1.04	10.40	274
1×35	0.53	1.04	11.60	397
1×50	0.37	1.20	13.50	547
1×70	0.26	1.20	15.50	769
1×95	0.20	1.28	18.00	990
1×120	0.15	1.60	19.70	1250

FLYY



Standard and Approval: This PVC insulated single-core unshielded low-tension wire is used for automobiles, Motorcycles and other motor vehicles.

Cable Construction: Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation:PVC
Sheath:PVC
Standard Compliance:ISO 6722 Class B

Technical Characteristics: Operating temperature:-40°C to 105°C

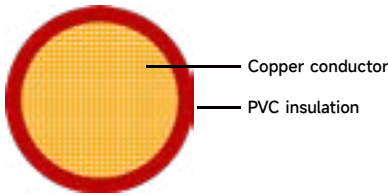
Cross Section: 1×0.5mm²-1×2.5mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL NOM. MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.5	37.1	0.6	3.1	14
1×0.75	24.7	0.6	3.3	17
1×1	18.5	0.6	3.6	20
1×1.5	12.7	0.6	4.1	28
1×2	9.42	0.6	4.3	33
1×2.5	7.6	0.7	4.8	41

FLYW



Standard and Approval: This PVC insulated single-core wire is used for automobiles, motorcycles and other motor vehicles. It has good heat resistant.

Cable Construction: Conductor:Cu-ETP1 bare according to DIN EN13602
Insulation:PVC
Standard Compliance:ISO 6722 Calss C

Technical Characteristics: Operating temperature:-40°C to 125°C

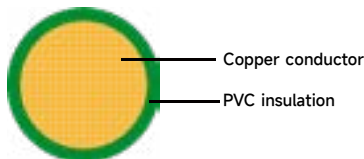
Cross Section: 1×0.5mm²-1×95mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL NOM. MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.5	37.1	0.48	2.3	8
1×0.75	24.7	0.48	2.5	11
1×1	18.5	0.48	2.7	15
1×1.5	12.7	0.48	3	20
1×2.5	7.6	0.56	3.6	32
1×4	4.71	0.64	4.4	48
1×6	3.14	0.64	5	68
1×10	1.82	0.8	6.5	117
1×16	1.16	0.8	8.3	193
1×25	0.7	1.04	10.4	274
1×35	0.5	1.04	11.6	397
1×50	0.30	1.20	13.5	547
1×70	0.20	1.20	15.5	769
1×95	0.20	1.28	18.00	990

FLRYW



Standard and Approval: This PVC insulated automotive cable is used for cable harnesses.

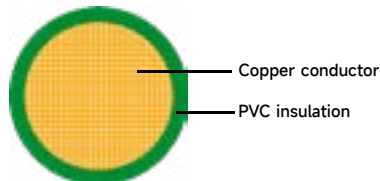
Cable Construction: Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation:PVC insulation
Standard:ISO 6722 Class C

Technical Characteristics: Operating temperature: -40° C to +125° C

Cross Section: 0.5mm²-240mm²

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL NOM. MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.35	55.5	0.2	1.1	4.5
1×0.5	38.2	0.2	1.2	6.6
1×0.75	25.4	0.24	1.7	9
1×1	19.1	0.24	1.9	11
1×1.5	13	0.24	2.2	16
1×2	9.69	0.28	2.5	22
1×2.5	7.8	0.28	2.7	26
1×3	6.36	0.28	2.9	32.5
1×4	4.8	0.32	3.4	42
1×6	3.2	0.32	4	61
1×10	1.85	0.48	5.4	108
1×16	1.18	0.52	6.4	170
1×25	0.76	0.52	7.9	265
1×30	0.68	0.64	8.7	322
1×35	0.54	0.64	9.4	391
1×40	0.5	0.71	10	443
1×50	0.38	0.71	11	522
1×60	0.33	0.80	12	605
1×70	0.26	0.80	13	698
1×95	0.16	0.90	15.3	749

FLYK



Standard and Approval: This PVC insulated automotive cable is used for cars, trucks and other vehicles.

Cable Construction: Conductor: Cu-ETP1 bare according to DIN EN 13602?
Insulation: PVC insulation(Cold resistant)?
Standard: ISO 6722 Class B

Technical Characteristics: Cold bending test according to ISO 6722 at -50 ° C.
Short-term and long-term ageing according to ISO 6722, Class B.
Operating temperature: -50° C to +105° C

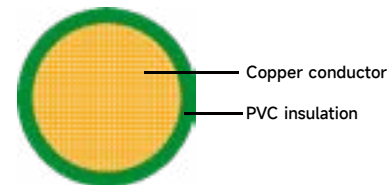
Cross Section: 1×0.5mm²-1×25mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.5	37.7	0.6	2.3	9
1×0.75	25.1	0.6	2.5	12
1×1	18.8	0.6	2.7	15
1×1.5	12.7	0.6	3	20
1×2.5	7.54	0.7	3.9	32
1×4	4.71	0.8	4.9	53
1×4.5	12.7	0.6	3	23
1×6	3.14	0.8	6	76
1×10	1.85	1.0	7.3	124
1×16	1.16	1.0	8.8	198
1×25	0.74	1.2	10.2	298

FLRYK



Copper conductor
PVC insulation

Standard and Approval:

This PVC insulated low-tension automotive cable is used in motorcycles and other motor vehicles for starting, charging, lighting, signal and instrument panel circuits.

Cable Construction:

Conductor Cu-ETP1 bare according to DIN EN13602
Insulation PVCinsulation(Cold resistant)
Standard Compliance ISO 6722 Calss B

Technical Characteristics:

Operating temperature: -50° C to 105° C
Cold bending test according to ISO 6722 at -50 ° C.
Short-term and long-term ageing according to ISO 6722, Class B.?

Cross Section:

0.5mm²-240mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX. MM	WEIGHT APPROX. KG/KM
1×0.5	37.7	0.22	1.6	7
1×1	18.5	0.3	2.1	12
1×1.5	12.7	0.24	2.4	17
1×2.5	7.6	0.7	3.7	33

FLRY-A

Standard and Approval:

This PVC insulated single-core cable with symmetrical conductor structure (type A) and thin wall is used for automobiles, motorcycles electrical equipment in high temperature condition.

Cable Construction:

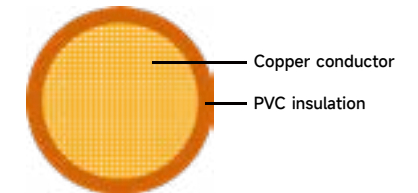
Conductor:Cu-ETP1 bare or tinned copper according to DIN EN13602
Insulation:PVC
Standard Compliance:ISO 6722 Class B

Technical Characteristics:

Operating temperature:-40°C to 105°C

Cross Section:

1x0.22mm²-1x25.00mm²



Copper conductor
PVC insulation

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL MIN MM	OVERALL DIAMETER MM	WEIGHT APPROX KG/KM
1×0.35	52/55.5	0.2	1.40	5
1×0.5	37.1/38.2	0.22	1.60	7
1×0.75	24.7/25.4	0.24	1.90	9
1×1	18.5/19.1	0.24	2.10	11
1×1.5	12.7/13	0.24	2.40	16
1×2	9.31/9.59	0.24	2.60	22
1×2.5	7.60/7.80	0.28	3.00	26

FLRY-B

Standard and Approval:

This PVC insulated single-core cable with symmetrical conductor structure (type A) and thin wall is used for automobiles, motorcycles electrical equipment in high temperature condition.

Cable Construction:

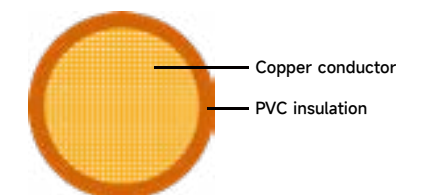
Conductor:Cu-ETP1 bare or tinned copper according to DIN EN13602
Insulation:PVC
Standard Compliance:ISO 6722 Class B

Technical Characteristics:

Operating temperature:-40°C to 105°C

Cross Section:

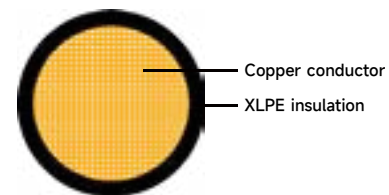
1x0.22mm²-1x25.00mm²



Copper conductor
PVC insulation

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	THICKNESS WALL MIN MM	OVERALL DIAMETER MM	WEIGHT APPROX KG/KM
1×0.35	52/55.5	0.2	1.40	5
1×0.5	37.1/38.2	0.22	1.60	7
1×0.75	24.7/25.4	0.24	1.90	9
1×1	18.5/19.1	0.24	2.10	11
1×1.5	12.7/13	0.24	2.40	16
1×2	9.31/9.59	0.24	2.60	22
1×2.5	7.60/7.80	0.28	3.00	26

FL2X



Standard and Approval:

This PVC insulated single-core cable is used for low voltage electric installations in vehicles.

Cable Construction:

Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation:XLPE
Standard:ISO 6722 Class C

Technical Characteristics:

Operating temperature:-40° C to +125° C

Cross Section:

1x0.5mm²-1x6mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX MM	WEIGHT APPROX KG/KM
1×0.5	37.1	0.6	2.3	8
1×0.75	24.7	0.6	2.5	11
1×1	18.5	0.6	2.7	14
1×1.5	12.7	0.6	3	19
1×2	9.42	0.6	3.3	24
1×2.5	7.6	0.7	3.6	30

FLRYW-A

Standard and Approval:

This PVC insulated single-core cable is used as low-tension electric wire for automobiles.

Cable Construction:

Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation:PVC
Standard:ISO 6722 Class C

Technical Characteristics:

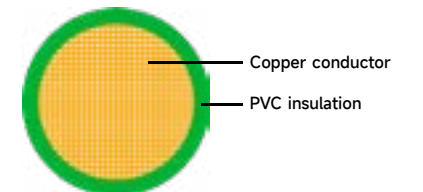
Special properties:
Heat resistant cable, Flame retardant, Extra flexibility
Flexible conductor with PVC Thin wall insulation with increase mechanical strength

Technical Parameters:
Operating temperature: -50° C to +125° C

Cross Section:

1x0.35mm²-1 x25mm²

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX MM	WEIGHT APPROX KG/KM
1×0.35	54.4	0.2	1.4	5
1×0.5	37.1	0.22	1.6	6
1×0.75	24.7	0.24	1.9	9
1×1	18.5	0.24	2.1	11
1×1.25	14.9	0.24	2.3	12
1×1.5	12.7	0.24	2.4	17
1×2	9.42	0.28	2.8	24



FLRYW-B

Standard and Approval:

This PVC insulated single-core cable is used as low-tension electric wire for automobiles.

Cable Construction:

Conductor:Cu-ETP1 bare according to DIN EN 13602
Insulation:PVC
Standard:ISO 6722 Class C

Technical Characteristics:

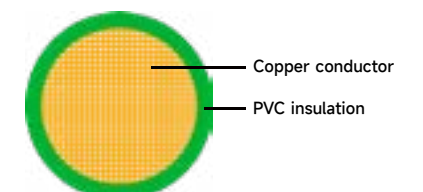
Special properties:
Heat resistant cable, Flame retardant, Extra flexibility
Flexible conductor with PVC Thin wall insulation with increase mechanical strength

Technical Parameters:
Operating temperature: -50° C to +125° C

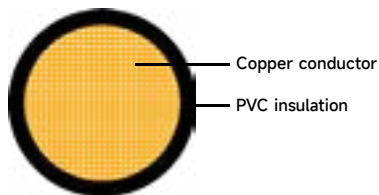
Cross Section:

1x0.35mm²-1 x25mm²

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX MM	WEIGHT APPROX KG/KM
1×0.35	54.4	0.2	1.4	5
1×0.5	37.1	0.22	1.6	6
1×0.75	24.7	0.24	1.9	9
1×1	18.5	0.24	2.1	11
1×1.25	14.9	0.24	2.3	12
1×1.5	12.7	0.24	2.4	17
1×2	9.42	0.28	2.8	24
1×2.5	7.6	0.28	3	28
1×3	6.15	0.32	3.4	34
1×4	4.7	0.32	3.7	44
1×5	3.94	0.32	4.2	50



FLRYWD



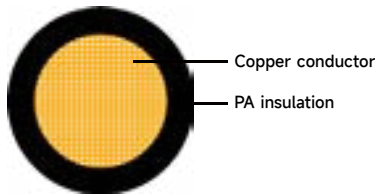
- Standard and Approval:
- This PVC insulated single-core cable is used for vehicle constructions.
- Cable Construction:
- Conductor: Cu-ETP1 bare or tinned according to DIN EN 13602
Insulation: PVC
Standard: ISO 6722 Class B
- Technical Characteristics:
- Operating temperature:-40° C to +105° C
- Cross Section:
- 1x0.35mm²-1x25mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM²	ELECTRICAL RESISTANCE AT 20°C MAX. MΩ/M	NOMINAL THICKNESS MM	OVERALL DIAMETER MAX MM	WEIGHT APPROX KG/KM
1x0.35	52	0.2	1.4	4.48
1x0.5	37.1	0.22	1.7	6.6
1x0.75	24.7	0.24	1.9	9
1x1	18.5	0.24	2.1	11
1x1.5	12.7	0.24	2.4	16
1x2	9.42	0.28	2.8	22
1x2.5	7.6	0.28	3	6
1x3	6.15	0.32	3.4	32.5
1x4	4.71	0.32	3.8	42
1x6	3.14	0.32	4.3	61
1x10	1.82	0.48	6	108
1x16	1.16	0.52	7.9	170
1x25	0.74	0.52	9.4	265

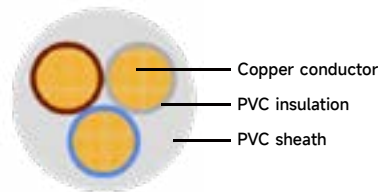
FLR4Y



- Standard and Approval:
- This PA insulated single-core cable is used for automobiles, motorcycles and other motor vehicles. Especially suitable for use as fuel gauge wire, this cable is gasoline and diesel resistant.
- Cable Construction:
- Conductor:Cu-ETP1 bare or tinned according to DIN EN13602
Insulation:Polyamide(PA)
Standard Compliance:ISO 6722 Class B
- Technical Characteristics:
- Operating temperature:-40°C to 105°C
- Cross Section:
- 1x0.35mm²-1x4mm²

NOMINAL CROSS- SECTION MM²	RESISTANCE AT 20°C BARE/ TINNED MAX MΩ/M	THICKNESS WALL MIN. MM	OVERALL DIAMETER MM	WEIGHT APPROX KG/KM
FLR4Y-A				
1×0.35	52/54.5	0.2	1.4	4
1×0.5	37.1/38.2	0.22	1.6	6
1×0.75	24.7/25.4	0.24	1.9	8
1×1	18.5/19.1	0.24	2.1	11
1×1.5	12.7/13	0.24	2.4	15
1×2.5	7.6/7.8	0.28	3	24
1×4	4.7/4.8	0.32	3.7	40
FLR4Y-B				
1×0.35	52/54.5	0.2	1.4	4
1×0.5	37.1/38.2	0.22	1.6	6
1×0.75	24.7/25.4	0.24	1.9	8
1×1	18.5/19.1	0.24	2.1	11
1×1.5	12.7/13	0.24	2.4	15
1×2.5	7.6/7.8	0.28	3	24
1×4	4.7/4.8	0.32	3.7	40

FLRYY



Standard and Approval:

This PVC insulated, PVC sheathed cable is used for low voltage electrical installations in vehicles.

Cable Construction:

Conductor: Cu-ETP1 bare or tinned according to DIN EN13602
Insulation: PVC
Sheath: PVC
Standard Compliance: ISO 6722 Class B

Technical Characteristics:

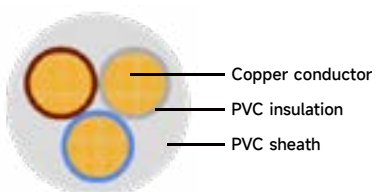
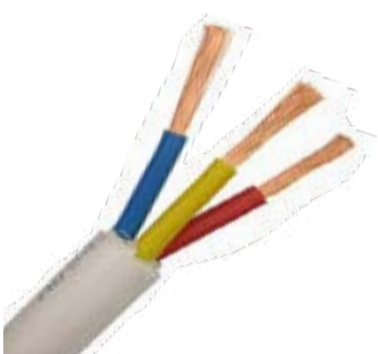
Operating temperature:-40 °C to +105 °C

Cross Section:

1×0.35mm²-10×2.5mm²

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20° C MAX MΩ/M	DIAMETER OF CORE MM	SHEATH THICKNESS MM	OVERALL DIAMETER MAX MM
1x0.35	52	1.3	0.4	2.2
2x0.35	52	1.3	0.5	3.7
3x0.35	52	1.3	0.5	3.9
4x0.35	52	1.3	0.5	4.3
5x0.35	52	1.3	0.5	4.6
7x0.35	52	1.3	0.5	5.0
10x0.35	52	1.3	0.5	6.4
1x0.5	37.1	1.3	0.6	2.5
2x0.5	37.1	1.3	0.6	4.5
3x0.5	37.1	1.6	0.6	4.8
4x0.5	37.1	1.6	0.6	5.2
5x0.5	37.1	1.6	0.6	5.6
7x0.5	37.1	1.6	0.6	6.1
10x0.5	37.1	1.6	0.6	7.7
1x0.75	24.7	1.9	0.4	2.8
2x0.75	24.7	1.9	0.6	5.1
3x0.75	24.7	1.9	0.6	5.4
4x0.75	24.7	1.9	0.6	5.9
5x0.75	24.7	1.9	0.6	6.4
7x0.75	24.7	1.9	0.6	7.0
10x0.75	24.7	1.9	0.8	9.3
1x1.0	18.5	2.1	0.4	3.0
2x1.0	18.5	2.1	0.6	5.5

FLYY



Standard and Approval:

This PVC insulated, PVC sheathed low tension multi-cores cable is used for automobiles, motorcycles and other motor vehicles.

Cable Construction:

Conductor: Cu-ETP1 bare or tinned according to DIN EN13602
Insulation: PVC
Sheath: PVC
Standard Compliance: ISO 6722 Class B

Technical Characteristics:

Operating temperature:-40 °C to +150 °C

Cross Section:

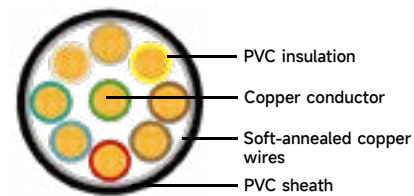
2×0.5mm²-3×1.5mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20° C MAX MΩ/M	DIAMETER OF CORE MM	SHEATH THICKNESS MM	OVERALL DIAMETER MAX MM
1x0.35	52	1.3	0.4	2.2
2x0.35	52	1.3	0.5	3.7
3x0.35	52	1.3	0.5	3.9
4x0.35	52	1.3	0.5	4.3
5x0.35	52	1.3	0.5	4.6
7x0.35	52	1.3	0.5	5.0
10x0.35	52	1.3	0.5	6.4
1x0.5	37.1	1.6	0.6	2.5
2x0.5	37.1	1.3	0.6	4.5
3x0.5	37.1	1.6	0.6	4.8
4x0.5	37.1	1.6	0.6	5.2

FLRYCY



Standard and Approval:

This PVC insulated,PVC sheathed multi-cores cable is used for car communication cable.

Cable Construction:

Conductor:Cu-ETP1 according to DIN EN 13602
Insulation:PVC
Shielding:Soft-annealed copper wires CU-ETP1 or with tin coated soft-annealed copper wires specified in DIN 40500 and DIN EN 13602
Sheath:PVC
Standard Compliance: ISO 6722 Class B

Technical Characteristics:

Operating temperature:-40 ° C to +105 ° C

Cross Section:

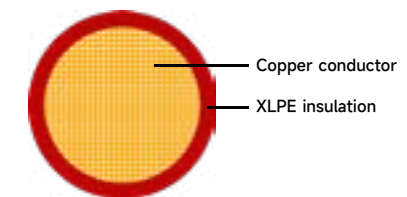
1x0.35mm²-10x2.5mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

NOMINAL CROSS- SECTION MM ²	ELECTRICAL RESISTANCE AT 20° C MAX MΩ/M	DIAMETER OF CORE MM	SHEATH THICKNESS MM	OVERALL DIAMETER MAX MM
1x0.35	52	1.3	0.4	2.2
2x0.35	52	1.3	0.5	3.7
3x0.35	52	1.3	0.5	3.9
4x0.35	52	1.3	0.5	4.3
5x0.35	52	1.3	0.5	4.6
7x0.35	52	1.3	0.5	5
10x0.35	52	1.3	0.5	6.4
1x0.5	37.1	1.3	0.6	2.5
2x0.5	37.1	1.6	0.6	4.5
3x0.5	37.1	1.6	0.6	4.8
4x0.5	37.1	1.6	0.6	5.2

SXL



Standard and Approval:

This XLPE insulated single-core cable is used in automotive applications where higher heat resistance is required.

Cable Construction:

Conductor:Soft-annealed copperaccording to ASTM B3
Insulation:Polyethylene crosslinked (XLPE)
Standard Compliance:SAE J1128

Technical Characteristics:

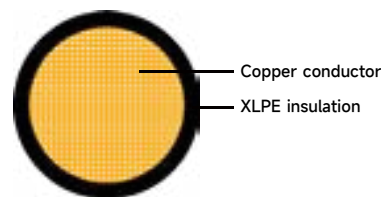
Operating temperature:-40 ° C to +125 ° C

Cross Section:

1 x 0.50mm²-1 x 5.00mm²

AWG	NOMINAL CROSS- SECTION MM ²	NOMINAL WALL THICKNESS NOM mm	OVERALL DIAMETER (MAX..) mm	WEIGHT APPROX KG/KM
20	1×0.5	0.74	2.8	11
18	1×0.8	0.76	3	15
16	1×1	0.81	3.4	20
14	1×2	0.89	3.9	29
12	1×3	0.94	4.6	43
10	1×5	1.04	5.3	64

GXL



Standard and Approval:

This XLPE insulated single-core cable is used in automotive applications where higher heat resistance and small diameter is required.

Cable Construction:

Conductor:Soft-annealed copperaccording to ASTM B3
Insulation:Polyethylene crosslinked (XLPE)
Standard Compliance:SAE J1128

Technical Characteristics:

Operating temperature:-40 ° C to +125 ° C

Cross Section:

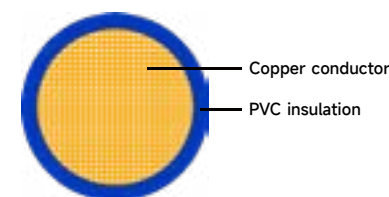
1×0.5mm²-1×5mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

AWG	NOMINAL CROSS- SECTION MM²	THICKNESS WALL NOM MM	OVERALL DIAMETER (MAX.) MM	WEIGHT APPROX KG/KM
20	1×0.5	0.58	2.4	9
18	1×0.8	0.58	2.5	12
18	1×0.8	0.58	2.5	12
16	1×1	0.58	2.9	17
14	1×2	0.58	3.2	25
12	1×3	0.66	3.8	38
10	1×5	0.79	4.7	58

TXL



Standard and Approval:

This XLPE insulated single-core cable is used in automotive applications where higher heat resistance, small diameter and minimal weight is required.

Cable Construction:

Conductor:Soft-annealed copperaccording to ASTM B3
Insulation:Polyethylene crosslinked (XLPE)
Standard Compliance:SAE J1128

Technical Characteristics:

Operating temperature:-40 ° C to +105 ° C

Cross Section:

0.5mm²-240mm²

Colour codes

Colour	Red	Black	Blue	Yellow	Grey	Brown	White	Violet
Code	Rd	Bk	Bl	Yw	Gr	Br	Wh	Vi

AWG	NOMINAL CROSS- SECTION MM²	THICKNESS WALL NOM MM	OVERALL DIAMETER (MAX.) MM	WEIGHT APPROX KG/KM
22	1×0.35	0.28	1.7	6
20	1×0.5	0.28	1.9	8
20	1×0.5	0.28	1.9	8
18	1×0.8	0.28	2.2	11
18	1×0.8	0.28	2.2	11
16	1×1	0.28	2.4	15
14	1×2	0.28	2.7	22
12	1×3	0.32	3.3	34
10	1×5	0.35	4	53
10	1×5	0.35	3.9	53
8*	1×8	0.39	4.9	85

*For SAE J1128 applications only
Note: Other configurations, sizes, colors and length not specified herein are available upon request.

AUDIO CABLE



AWG Number	Cross Area/Measure	Specification	Spool Length
2/0 AWG	67.43mm ²	7*7*122/0.12mm, 7*7*78/0.15, OD:20mm	50FT/Spool
Oversize 1/0 AWG	58.16mm ²	7*7*105/0.12mm, 7*7*67/0.15, OD:16.5mm	50FT/Spool
1/0 AWG	53.17mm ²	7*7*96/0.12mm, 7*7*61/0.15, OD:15mm	50FT/Spool
2 AWG	33.79mm ²	7*7*61/0.12mm, 7*7*39/0.15, OD:12mm	50FT/Spool
4 AWG	51.05mm ²	7*7*38/0.12mm, 7*7*24/0.15, OD:10mm	100FT/Spool
6 AWG	13.30mm ²	7*7*24/0.12mm, 7*7*15/0.15, OD:8mm	100FT/Spool
8 AWG	8.31mm ²	7*105/0.12mm, 7*67/0.15, OD:6.7mm	250FT/Spool
10 AWG	5.22mm ²	7*66/0.12mm, 7*42/0.15, OD:5.5mm	300FT/Spool

Automotive Booster Cable

Standard and Approval:

- Wind and solar power systems
- Outboard motor leads
- Tow truck booster systems
- ATV and RV power cables
- Uninterrupted power supply systems (UPS).

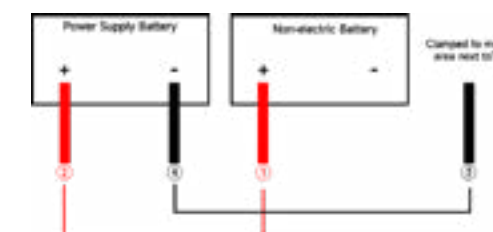
Cable Construction:

Conductor: Flexible stranded copper class 5
 Insulation: Thermo-Plastic-Rubber material(TPR), PVC, PPE, etc.
 Insulation Color: Black and red.
 Length: Length can be customized upon requirements.



Current:

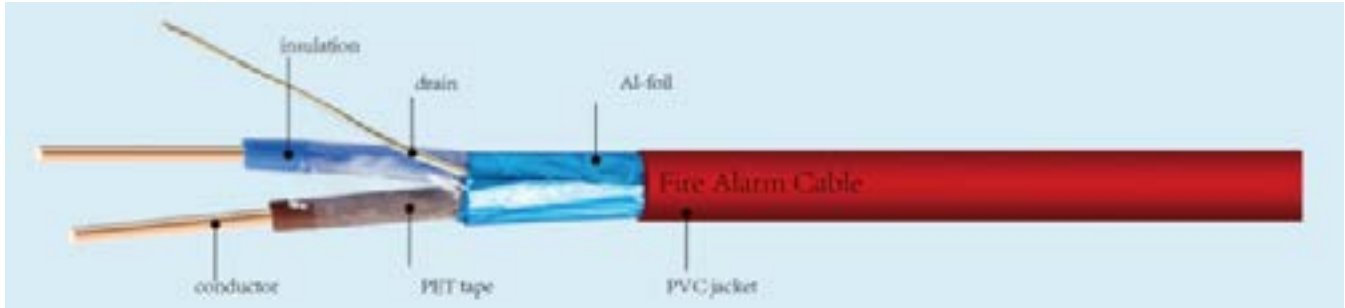
150A,500A, 600A, 800A, 1000A, 2000A
 Other current classes can be provided as required.





Fire Alarm Cable

Lightweight, Easy Installation, and High Flame-Retardant Performance



Product Name:	Fire alarm cable
Product Models:	FPL, FPLR; CL2, CL2R, CL3, CL3R
Product Categories:	Fire alarm series (cables for limited power fire alarm circuits, UL1424 fire alarm cables, UL13 power lines, fire-resistant lines)
Standards:	UL1424, UL13
Main Uses:	This cable is primarily used for emergency lighting, fire observation, signal sensing sensor systems, exhaust fan systems, communication intercom systems, equipment control systems, fire pumps, and fire alarm system circuits.
Product Features:	Lightweight, easy to install, with small wiring and footprint. Utilizes high flame-retardant insulation materials, filling materials, and sheathing, providing strong self-extinguishing properties. Sheathed by extrusion, making it easy to strip during cable installation. Rated voltage: 300/300V. Rated working temperature: 90° C, 105° C.
Product Description:	Conductors use stranded(Soild) copper conductors. The cable adopts high flame-retardant 105° C PVC insulation extrusion. The cable can be wrapped with mica tape or fire-resistant tape, and the product structure can be customized according to requirements. Features a high flame-retardant 105° C PVC sheath, UV resistant

Technical Detaical:

Number of cores	AWG size of conductor	Maximum diameter of single conductor	Maximum diameter of multi-core	Nominal thickness of insulation	Nominal thickness of sheath	Binding Tape	Approx overall diameter	
							Min.	Max.
2	26	0.404	0.457	0.30	0.60	AL tape	3.4	3.5
	24	0.511	0.579	0.30	0.60	AL tape	3.6	3.7
	22	0.643	0.729	0.30	0.60	AL tape	3.9	4.1
	20	0.813	0.919	0.35	0.60	AL tape	4.4	4.6
	18	1.02	1.16	0.40	0.60	AL tape	5.0	5.3
	16	1.29	1.46	0.40	0.60	AL tape	5.6	5.9
	14	1.63	1.85	0.50	0.60	AL tape	6.6	6.9
	12	2.05	2.32	0.60	0.70	AL tape	8.0	8.6
	10	2.59	2.95	0.70	0.70	AL tape	9.6	10.2

FPL, FPLR								
Number of cores	AWG size of conductor	Maximum diameter of single conductor	Maximum diameter of multi-core	Nominal thickness of insulation	Nominal thickness of sheath	Binding Tape	Approx overall diameter	
							Min.	Max.
4	26	0.404	0.457	0.30	0.60	AL tape	3.8	3.9
	24	0.511	0.579	0.30	0.60	AL tape	4.1	4.2
	22	0.643	0.729	0.30	0.60	AL tape	4.4	4.6
	20	0.813	0.919	0.35	0.60	AL tape	5.0	5.3
	18	1.02	1.16	0.40	0.60	AL tape	5.8	6.1
	16	1.29	1.46	0.40	0.70	AL tape	6.6	7.0
	14	1.63	1.85	0.50	0.70	AL tape	7.9	8.5
	12	2.05	2.32	0.60	0.80	AL tape	9.6	10.3
6	26	0.404	0.457	0.30	0.60	AL tape	4.4	4.6
	24	0.511	0.579	0.30	0.60	AL tape	4.7	4.9
	22	0.643	0.729	0.30	0.60	AL tape	5.1	5.4
	20	0.813	0.919	0.35	0.60	AL tape	5.9	6.3
	18	1.02	1.16	0.40	0.70	AL tape	7.0	7.5
	16	1.29	1.46	0.40	0.70	AL tape	7.8	8.4
	14	1.63	1.85	0.50	0.80	AL tape	9.7	10.5
	12	2.05	2.32	0.60	0.80	AL tape	11.5	12.4
8	26	0.404	0.457	0.30	0.60	AL tape	4.6	4.7
	24	0.511	0.579	0.30	0.70	AL tape	5.1	5.3
	22	0.613	0.729	0.30	0.70	AL tape	5.5	5.8
	20	0.813	0.919	0.35	0.70	AL tape	6.4	6.7
	18	1.02	1.16	0.40	0.80	AL tape	7.5	7.9
	16	1.29	1.46	0.40	0.80	AL tape	8.4	8.9
	14	1.63	1.85	0.50	0.80	AL tape	10.1	10.8
	12	2.05	2.32	0.60	0.80	AL tape	12.0	12.9

CL2, CL2R, CL3, CL3R								
AWG	Conductor structure	Nominal thickness of insulation	Insulation diameter	(NO. /mm) Drain wire	Shield		Jacket Thickness nun	Approx overall diameter
					Material	Spiral		
2x2x26	7/0.16	0.18	1	7/0.16	AL/MY	65%	0.61	3.9
2x2x24	11/0.16	0.18	1.1	7/0.20	AL/MY	65%	0.61	4.2
1x2x26	7/0.16	0.18	0.92	/	/	/	0.61	3.2
2x2x26	7/0.16	0.18	0.92	/	/	/	0.61	4.5
3x2x26	7/0.16	0.18	0.92	/	/	/	0.61	4.8
1x2x24	7/0.20	0.18	0.98	/	/	/	0.61	3.4
2x2x24	7/0.20	0.18	0.98	/	/	/	0.61	4.8
3x2x24	7/0.20	0.18	0.98	/	/	/	0.61	5
1x2x26	7/0.16	0.18	0.95	7/0.16	AL/MY	65%	0.61	3.6
2x2x26	7/0.16	0.18	0.95	7/0.16	AL/MY	65%	0.61	5
3x2x26	7/0.16	0.18	0.95	7/0.16	AL/MY	65%	0.61	5.4
1x2x24	7/0.20	0.18	1.02	7/0.20	AL/MY	65%	0.61	3.8
2x2x24	7/0.20	0.18	1.02	7/0.20	AL/MY	65%	0.61	5.2
3x2x24	7/0.20	0.18	1.02	7/0.20	AL/MY	65%	0.61	5.6



Other ACCESSORIES

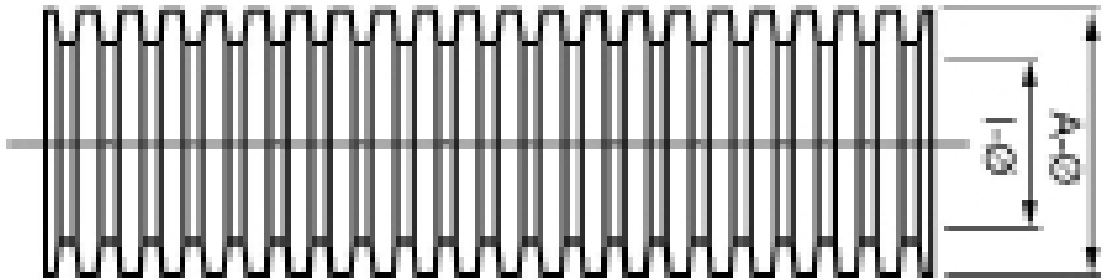
Multiple accessory options

In our store, you will find a variety of accessories to choose from, and no matter which type you need, we have multiple options to meet your needs. We offer a variety of accessory options, including the latest technology and traditional products, as well as different brands and models. Whether you are a beginner or a professional, there are accessories that are suitable for you. No matter which accessory you need, we can provide a satisfactory choice.

PA6 PIPE

Specifications:

- Surface: untreated
- ETIM class: EC001175
- Short-term temperature min.: -40
- Short-term temperature max.: 150
- Main material color: black
- Halogen free: Yes
- Short-term usage: 240
- Main material: Polyamide 6
- UV resistance: Yes
- IP protection: IP67



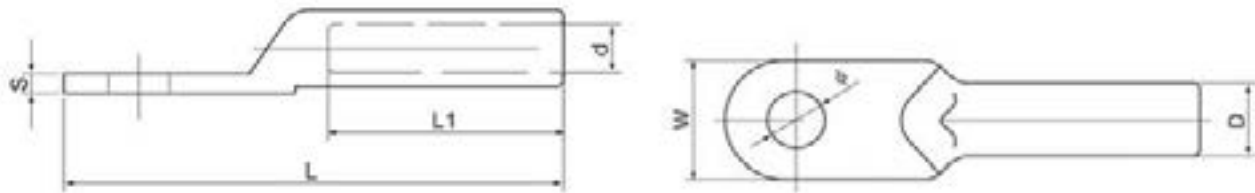
Hose specifications (A-φ)	INSIDE DIAMETER (I-φ)	OUTSIDE DIAMETER (MM)	BENDING OUTER DIAMETER (MM)
AD 7.0	4.5 MM	7.0 MM	16.0 MM
AD 8.2	6.0 MM	8.5 MM	16.0 MM
AD 10.0	6.5 MM	10.0 MM	16.0 MM
AD 11.0	7.5 MM	11.0 MM	16.0 MM
AD 13.0	10.0 MM	13.0 MM	20.0 MM
AD 15.8	12.0 MM	15.8 MM	30.0 MM
AD 18.5	14.3 MM	18.5 MM	40.0 MM
AD 21.2	17.0 MM	21.2 MM	45.0 MM
AD 25.0	20.0 MM	25.0 MM	45.0 MM
AD 28.5	23.0 MM	28.5 MM	50.0 MM
AD 34.5	29.0 MM	34.5 MM	60.0 MM
AD 42.5	36.0 MM	42.5 MM	70.0 MM
AD 54.5	48.0 MM	54.5 MM	90.0 MM
AD 67.2	56.0 MM	67.2 MM	110 MM
AD 80.0	69.0 MM	80.0 MM	140 MM
AD 106	91.0 MM	106 MM	170 MM

TERMINAL LUG

Material: T2 COPPER/
TINNED COPPER

Product Usage: Suitable for connecting wires, power cables, and electrical equipment in power distribution devices.

Product features: Adopting high-purity T2 copper rod pressing and strict annealing process, it has good electrical performance, good electrical resistance, electrochemical corrosion resistance, and long service life.



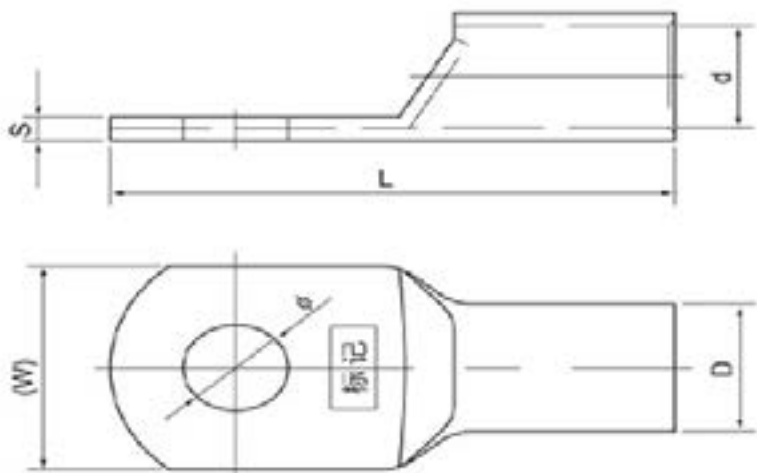
Model&Spec	Dimension(mm)						
	ϕ	D	d	L	L1	W	S
DT-10	8.5	9	5.2	62	26	16	2.5
DT-16	8.5	10	6.1	68	30	16	2.5
DT-25	8.5	11	7.1	70	33	18	2.7
DT-35	10.5	12	8.5	80	36	20.5	3.0
DT-50	10.5	14	9.8	86	38	23	3.4
DT-70	12.5	16	11.5	95	43	26	3.8
DT-95	12.5	18	13.5	104	46	28	4.2
DT-120	14.5	20	15	112	49	30	4.7
DT-150	14.5	22	17	120	51	34	5.5
DT-185	16.5	25	18.6	126	55	37	5.8
DT-240	16.5	27	21.5	137	60	40	6.5
DT-300	21	31	24	158	68	50	8.0
DT-400	21	34	27	175	78	50	9.0
DT-500	21	38	30	186	52	60	10.0
DT-630	21	45	34.2	215	86	80	12.0

TERMINAL LUG

Material: T2 COPPER/
TINNED COPPER

Product Usage: Suitable for connecting wires, power cables, and electrical equipment in power distribution devices.

Product features: Adopting high-purity T2 copper rod pressing and strict annealing process, it has good electrical performance, good electrical resistance, electrochemical corrosion resistance, and long service life.



Model&Spec	Dimension(mm)					
	ϕ	D	d	L	W	S
DT-10	6.4 8.4	6.7	5	25.5	11	1.6
DT-16	6.4 8.4	7.5	5.8	30	12	1.8
DT-25	6.4 8.4 10.5	9	7.2	32.5	13	1.8
DT-35	6.4 8.4 10.5	10.5	8.5	37	15	2
DT-50	8.4 10.5	12.5	10.1	45	18	2.4
DT-70	10.5 12.5	14.5	11.7	49	21	2.8
DT-95	10.5 12.5	17	13.8	54	25	3.2
DT-120	12.5 16.5	19.5	15.9	62	28	3.6
DT-150	12.5 16.5	20.5	16.7	68	30	3.9
DT-185	16.5	23.5	19.1	76	34	4.4
DT-240	16.5	26	21.4	90	38	4.6
DT-300	16.5 20.5	30	24.6	100	44	5.4
DT-400	16.5 20.5	34	27.4	110	50	6.6

QUICK CONNECTOR

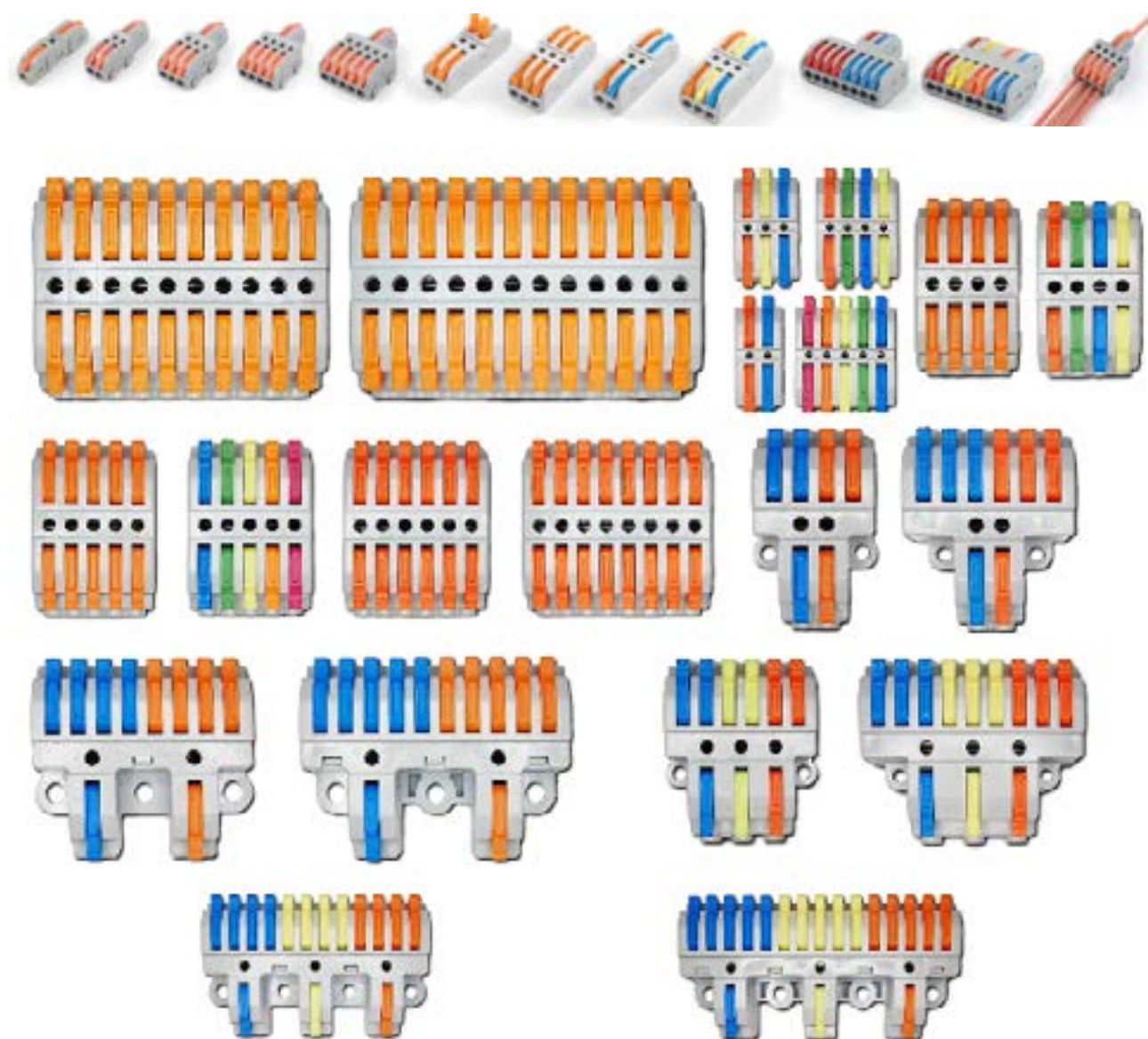
JACKET MATERIAL: PC

Rated Current/
Voltage: 32A/250V Wiring

Range: 0.08-2.5(4.0)mm²

Stripping Length: 9mm/0.3inch

AWG: 28-14 (12) / 1 in 1out — 3 in 9out



PCT-222



SPECIFICATION SIZE: 33.2*12.6*13.2mm

PCT-223



SPECIFICATION SIZE: 33.2*17.8*13.2mm

PCT-224



SPECIFICATION SIZE: 33.2*23.7*13.2mm 1-Wire/Inlet

PCT-225



SPECIFICATION SIZE: 39.2*23.5*14.5mm 1-Wire/Inlet

PCT-221A



SPECIFICATION SIZE: 21.5*21.6*14.5mm 1-Wire/Inlet

PCT-221T



SPECIFICATION SIZE: 20.5*10.4*14.5mm 1-Wire/Inlet

PCT-221



SPECIFICATION SIZE: 21.5*21.6*14.5mm 1-Wire/Inlet

FD-12A



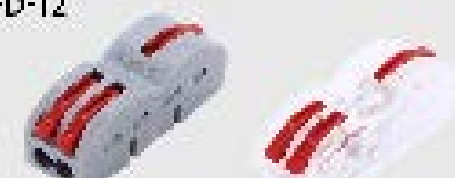
SPECIFICATION SIZE: 18.5*12*14.5mm 1-Wire/Inlet

FD-13A



SPECIFICATION SIZE: 17.5*20.6*14.5mm 1-Wire/Inlet

FD-12



SPECIFICATION SIZE: 39*15*14.5mm 1-Wire/Inlet



BATTERY-STORAGE- TECHNOLOGY- CABLES

Multiple accessory **ACCESSORIES** options

In our store, you will find a variety of accessories to choose from, and no matter which type you need, we have multiple options to meet your needs. We offer a variety of accessory options, including the latest technology and traditional products, as well as different brands and models. Whether you are a beginner or a professional, there are accessories that are suitable for you. No matter which accessory you need, we can provide a satisfactory choice.



FD-13

SPECIFICATION SIZE: 39*13*14.5mm 1-wire/line



FD-12T

SPECIFICATION SIZE: 38.5*13*14.5mm 1-wire/line



FD-13T

SPECIFICATION SIZE: 39*13.5*14.5mm 1-wire/line



FD-24

SPECIFICATION SIZE: 39*25.5*14.5mm 1-wire/line



FD-26

SPECIFICATION SIZE: 39*26.5*14.5mm 1-wire/line



FD-36

SPECIFICATION SIZE: 39*37*14.5mm 1-wire/line



FD-39

SPECIFICATION SIZE: 39*51*14.5mm 1-wire/line



FD-48

SPECIFICATION SIZE: 39*51*14.5mm 1-wire/line



FD-412

SPECIFICATION SIZE: 39*73*14.5mm 1-wire/line



FD-510

SPECIFICATION SIZE: 39*99*14.5mm 1-wire/line



FD-515

SPECIFICATION SIZE: 39*85*14.5mm 1-wire/line

EVR

Standard and Approval:

Refer to ISO 6722
China GB/T 12528

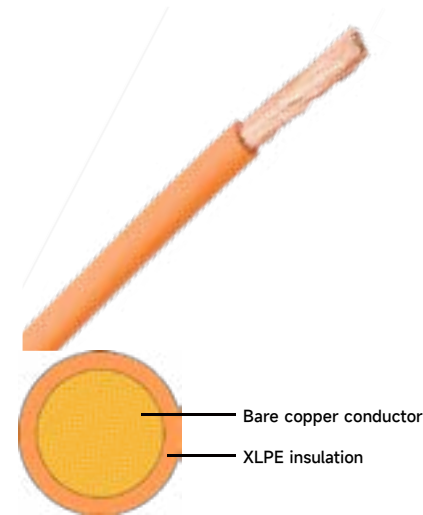
Cable Construction:

Conductor: strand Oxygen-free copper
Insulation: XLPE 150 °C
Sheath: XLPE 150 °C

Technical Characteristics:

Rated temperature : -40°C ~+150 °C
Rated voltage: AC 600V/DC 900V ; AC 1000V/DC 1500V
Flame Test : comply with DIN VDE 0482-332-1-2
Bending Radius: 4*OD,OD<15mm ; 6*OD,OD>15mm
Dielectric voltage: 5kva in 5min. No Breakdown
Oil Resistance : DIN VDE 0473-811-404
Anti-tear Performance : >20N/mm
Environmental Requirements : Compliant with RoHS and REACH

1.5mm²-120mm²



Cross Section:

NOMINAL CROSS SECTIONAL AREA	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible capacity A (Ref.)	Over diameter mm (Ref.)
1.5	1.60	12.7	18	2.30
2.5	2.06	7.60	25	2.85
4	2.70	4.71	35	3.55
6	3.40	3.14	45	4.15
10	4.50	1.82	70	5.60
16	5.60	1.16	95	6.90
25	7.20	0.743	130	8.40
35	8.30	0.527	160	9.80
50	10.1	0.368	210	11.9
70	12.1	0.259	260	14.1

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C MΩ/M	CAPACITANCE pF/M	INDUCTANCE nH/m	IMPEDANCE ohms	CURRENT RATING A			
					at 20°C	at 85°C	at 125°C	at 140°C
25	0.743	600	100	10	310	260	240	220
35	0.527	600	100	10	375	325	280	360
50	0.368	670	105	10	458	420	360	340
70	0.259	670	134	-	600	525	455	425
95	0.196	630	150	-	705	640	560	510

EVRP

Standard and Approval:

Refer to ISO 6722
China GB/T 12528

Cable Construction:

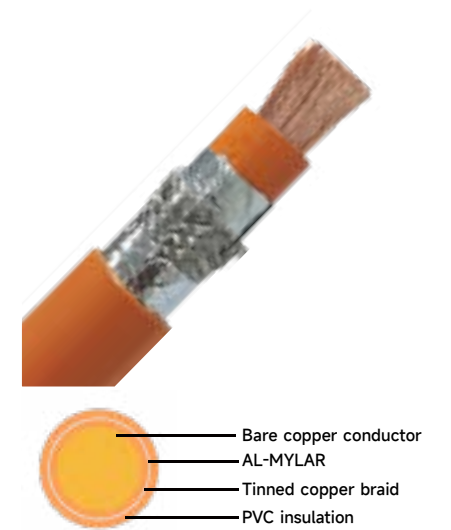
Conductor: strand Oxygen-free copper
Insulation: XLPE 150 °C
Shield: Tinned copper braid, coverage >85%
Sheath: XLPE 150 °C

Technical Characteristics:

Rated temperature : -40°C ~+150 °C
Rated voltage: AC 600V/DC 900V ; AC 1000V/DC 1500V
Flame Test : comply with DIN VDE 0482-332-1-2
Bending Radius: 4*OD,OD<15mm ; 6*OD,OD>15mm
Dielectric voltage: 5kva in 5min. No Breakdown
Oil Resistance : DIN VDE 0473-811-404
Anti-tear Performance : >20N/mm
Environmental Requirements : Compliant with RoHS and REACH

Cross Section:

1.5mm²-120mm²



NOMINAL CROSS SECTIONAL AREA	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible capacity A (Ref.)	Over diameter mm (Ref.)
1.5	1.60	12.7	18	4.00
2.5	2.06	7.60	25	4.60
4	2.70	4.71	35	5.40
6	3.40	3.14	45	6.40
10	4.50	1.82	70	8.20
16	5.60	1.16	95	9.50
25	7.20	0.743	130	11.50
35	8.30	0.527	160	13.50
50	10.1	0.368	210	15.50
70	12.1	0.259	260	18.00

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C MΩ/M	CAPACITANCE pF/M	INDUCTANCE nH/m	IMPEDANCE ohms	CURRENT RATING A			
					at 20°C	at 85°C	at 125°C	at 140°C
25	0.743	600	100	10	310	260	240	220
35	0.527	600	100	10	375	325	280	360
50	0.368	670	105	10	458	420	360	340
70	0.259	670	134	-	600	525	455	425
95	0.196	630	150	-	705	640	560	510

FHL2G cable

Standard and Approval: Unshielded cable for automotive electric powertrain.
LV 216-1 table A.1, VW N 108 558, DIN EN 13602

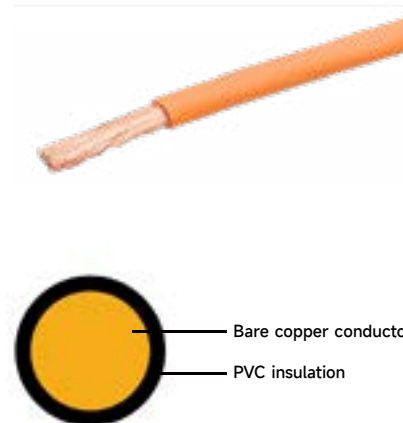
Cable Construction:

- Conductor: Class 6 fine flexible stranded Copper
- Insulation: SiR (Silicon rubber)
- Sheath Colour: Orange

Characteristics:

- Voltage Rating: 0.6/1kV
- Working voltage: 450/750v (H07V-U)
- Test voltage: spark test: 8kV/5 minutes: 5kV
- Temperature Rating: Operating temperature: -40°C to +180°C 3000 (hours) /Short term ageing: +205 °C 240 (hours)
- Minimum Bending Radius: Static installation: 2 x overall diameter /Dynamic Installation: 4 x overall diameter

Cross Section: 1.5mm²-70mm²



Product Series	Size	Conductor Stranded OD mm (Ref.)	Max. Conductor resistance mΩ/m@20°C	Permissible capacity A (Ref.)	Over diameter mm (Ref.)
AC 600V DC 900V	1.5mm ²	1.60	12.7	18	2.35
	2.5mm ²	2.06	7.60	25	2.88
	4mm ²	2.70	4.71	35	3.59
	6mm ²	3.40	3.14	45	4.18
	10mm ²	4.50	1.82	70	5.63
	16mm ²	5.60	1.16	95	6.95
	25mm ²	7.20	0.743	130	8.50
	35mm ²	8.30	0.527	160	9.90
	50mm ²	10.1	0.368	210	11.95
	70mm ²	12.1	0.259	260	14.19

FHLR2GCB2G Cable

Standard and Approval: LV 216-2 table A2, Daimler AG C51 / 11.14, VW N 107 776, BMW GS 95007-6-2
Shielded cable for automotive electric powertrain units

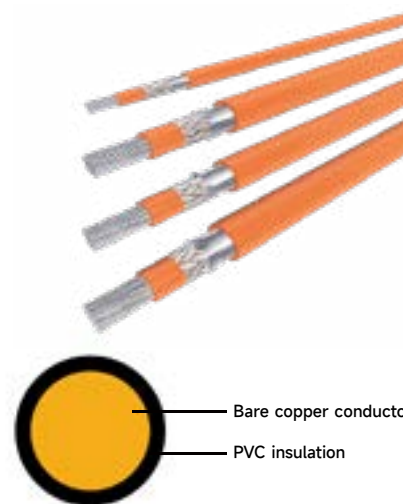
Cable Construction:

- Conductor: Class 6 fine flexible stranded Copper
- Insulation: SiR (Silicon rubber)
- Screening Armor: Tinned copper (85% minimum coverage)
- Foiled Armor: ALU-PET foil (20% minimum overlap)
- Outer sheath: SiR (Silicon rubber)
- Sheath Colour: Orange

Technical Characteristics:

- Voltage Rating: 0.6/1kV
- Test Voltage: spark test: 8kV 5 minutes: 5kV
- Temperature Rating: Temperature Rating- Flexing bending radius: 15 x Ø
- Minimum Bending Radius :
Static installation: 3 x overall diameter
Dynamic Installation: 6 x overall diameter- Flexing
- Static temperature: -30° C to +90° C
- Insulation resistance: 10 MΩ x km

Cross Section: 25mm²-95mm²



ELAND PART NO.	No. of Cores x Nominal Cross Sectional Area # x mm m ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
CP101025OR	1x0.5	0.6	2.4	8.44
CP101035OR	1x0.75	0.6	2.6	11.02
CP101050OR	1x1	0.6	2.8	13.85
CP101070OR	1x1.5	0.7	3.3	20.2
CP101095OR	1x2.5	0.8	3.9	31.9
H07V-U	1x2.5	0.8	4.2	34.89
H07V-U	1x4	0.8	4.4	46.98
H07V-U	1x4	0.8	4.8	50.2
H07V-U	1x6	0.8	5.4	71.04
H07V-U	1x10	1	6.8	118.61
H07V-U	1x16	1	8	178.68