

3x6.0mm² + 1PR x 24AWG Data LSZH – EV Cable



Application

Supporting both the motor industry and the wider, growing electric vehicle (EV) market, the Ascent range of EV cables deliver high performance across a range of applications.

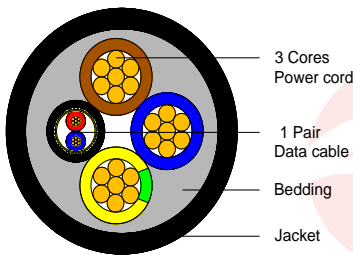
Standards

IEC 60502-1, IEC/EN 60228, TIA/EIA 568-B.10, IEC 61158-5, UV Resistant to EN 50396

Abrasion Resistant to EN 50289-3-7, Low Smoke Zero Halogen according to IEC/EN 61034-1/2, IEC/EN 60754-1/2

Flame retardant according to IEC/EN 60332-1-2, IEC/EN 60332-3-24

Cross section



Construction

Wire A: 1Pr x 24AWG - DATA

Conductor

Material	Tinned Copper
Stranding	Stranded
Wire Gage	23AWG
Dia.(+/-0.010mm)	0.200*7

Insulation

Material	PVC
Dia. (+/-0.05mm)	1.20
Colour Code	RD/BL

Shielding

Wrapping	PET
Braid	TC 0.1 x 80

Sheath

Material	PVC
Dia. (+/-0.15mm)	3.60

Construction

Wire B: 3C x 6.0mm²

Conductor

Material	Bare Copper
Stranding	Stranded
Dia. (+/-0.010mm)	1.04*7

Insulation

Material	XLPE
Dia. (+/-0.10mm)	4.50
Colour Code	BN/BL&YL(GN)

Cabling

Order of the pair see cross section

Bedding

Material	PVC
Dia. (+/-0.30mm)	12.00

Total hybrid cable

Overall jacket Material	LSZH
Dia. (+/-0.80mm)	14.40

Electrical Characteristics

1Pr x 24AWG -DATA

Test Item (Test Item(20°C))

1. Max. conductor DC resistance
2. Dielectric strength between pairs

Units

Ω/km
 kV/min

Spec

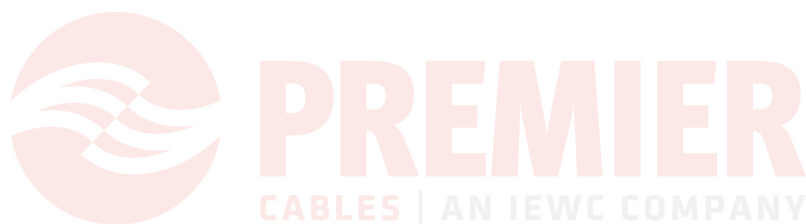
90.9
 DC 1.5

3C x 6.0mm²

1. Max. conductor DC resistance
2. Dielectric strength between pairs
3. Maximum current rating
4. Voltage drop

Ω/km
 kV/5min
 A
 mV/A/m

3.08
 AC 2.5
 58
 7.9



The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.