



Cable Construction

Conductor	Bare Copper
Conductor Diameter (mm)	0.55 ±0.020
AWG	23
Insulation	HDPE
Insulation Thickness (mm)	0.29
Insulation Diameter (mm)	1.05 ±0.08
Insulation Colours	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Filler	Cross Member
Inner Jacket	PE
Inner Jacket Thickness (mm)	0.7
Inner Jacket Diameter (mm)	7.00 ±0.20
Inner Jacket Colour	Grey RAL 7004
Al-PET Shield	PE
Armour	Galvanised Steel Wire
Armour Construction (mm)	0.9 x 27
Outer Jacket	PE
Outer Jacket Thickness (mm)	0.80 ±0.10
Overall Diameter (mm)	10.50 ±0.20
Jacket Colour	Black RAL 9005
Sheath Printing	Cat 6 UTP 4PR 23AWG SWA PE ISO/IEC 11801 ANSI/TIA 568C.2 (PO) (m)
Reaction to Fire	Fca
Electrical Characteristics	
Max Conductor DC resistance @ 20°C	<83Ω/km
Rated Temperature	80°C
Impedance (1-100MHz)/(100-250MHz)	100Ω ±15Ω/100Ω ±20Ω
Application	External Data transmission up to 1Gb/s requiring physical protection
Standards	ISO/IEC 11801, ANSI/TIA 568-C.2, CE2014/30/EU, LVD 2014/35/EU, RoHS2 2011/65/EU