

# Low Smoke Halogen Free Cross-link wire & Cable

## Features:

- Continuous operating temperature: 125 °C
- Flame retardant
- Low smoke generation if burning
- Rated Voltage: 450/750V 5. Free halogen
- Under 250°C, sustaining 10 seconds
- ROHS and REACH compliant



## Single or Multi-core XLPE insulated wire

Nominal cross-section of conductor	Insulation thickness	Approx. over diameter of wire	Approx weight of wire	D.C. resistance of conductor (MAX at 20°C)	Current-carrying capacity (40°C)
mm <sup>2</sup>	mm	mm	Kg/km	Ω/km	A
1.5	0.7	2.95	20	12.1	20
2.5	0.8	3.6	31	7.41	28
4.0	0.8	4.1	45.6	4.61	38
6.0	0.8	4.7	65.2	3.08	48
10.0	1.0	6.05	110	1.83	67

## Physical performance data for insulation material

Property	Typical Performance	Test Method
	Insulation material	
Tensile Strength ( Mpa )	≥9MPa	GB/T 2951.1
Elongation (%)	≥120%	
Tensile Strength After Heat Aging	≥90%	GB/T 2951.2
Elongation after aging (%)		
Flame retardant	C Level	GB/T 18380.3

**Insulation material Colors:** Red, Blue, Yellow& Green, Yellow, Green, Black

**Conductor Squares:** 1.5mm<sup>2</sup>, 2.5mm<sup>2</sup>, 4mm<sup>2</sup>, 6mm<sup>2</sup>, 10mm<sup>2</sup>

**Conductor Category:** Single core , Bunch Stranded core