

Technical Document
Alternative to Belden 8442
1pair 22awg PE Black

webro

Part Number: 428442F-PE-BLK

Description: Alternative to Belden 8442 1pair
22awg Unscreened External Grade PE Black



Product Construction

Alternative to Belden	:	8442
Conductor Material	:	Tinned Copper
Conductor Stranding	:	22awg; 7/0.25mm
Insulation Material	:	Polyvinyl Chloride (PVC)
Number of Pairs	:	1
Core Colours	:	Black, Red
Sheath Material	:	Polyethylene (PE)
Sheath Colour	:	Black

Mechanical Characteristics

Overall Diameter	:	4.4mm ± 0.20mm
Temperature Range	Fixed :	-10°C to +70°C
	Flexing :	0°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	20 kg/km

Electrical Characteristics

Conductor DC Resistance @20°C	:	≤ 55.2 Ω/km
Capacitance Core to Core	:	98 pF/m ± 20
Insulation Resistance @ 20°C	:	≥ 200 MΩ *M
Voltage Rating	:	300V

Certifications & Standards

RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Fca to BS EN 50575:2014+A1:2016



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