

Technical Document
Alternative to Belden 9538
8core 24awg External Grade PE Black

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Part Number: 429538F-PE-BLK

Description: Alternative to Belden 9538 8core
24awg Overall Foil Screened External Grade PE Black



Product Construction

Alternative to Belden	:	9538
Conductor Material	:	Tinned Copper
Conductor Stranding	:	24awg; 7/0.20mm
Insulation Material	:	Polyvinyl Chloride (PVC)
Number of Cores	:	8
Core Colours	:	Black, White, Red, Green Brown, Blue, Orange, Yellow
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	>100%
Drain Wire	:	Tinned Copper, 24awg Stranded
Sheath Material	:	Polyethylene (PE)
Sheath Colour	:	Black



Mechanical Characteristics

Overall Diameter	:	5.8mm ± 0.20mm
Temperature Range	Fixed	-20°C to +70°C
	Flexing	0°C to +70°C
Bend Radius	:	15 x Overall Diameter
Weight	:	47 kg/km

Electrical Characteristics

Conductor DC Resistance @20°C	:	≤ 104.2 Ω/km
Capacitance	Core to Core	108 pF/m ± 20
	Core to Screen	213 pF/m ± 35
Insulation Resistance @ 20°C	:	≥ 200 M Ω *M
Voltage Rating	:	300V

Certifications & Standards

Suitable Protocol	:	RS 232
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Fca to EN 50575:2014+A1:2016

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Written by: GB

Authorised by: GB

Webro Cables & Connectors Ltd

Vision House, Meadow Brooks Business Park, Meadow Lane, Long Eaton, Nottingham NG10 2GD, UK
Tel: +44 (0)115 9724483 | Fax: +44 (0)115 9461230 | sales@webro.com | www.webro.com

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