Technical Document

Alternative to Belden 9841 1pair 24awg LSNH Grey





Part Number: 429841E-LSNH

Description: Belden Alternative 9841 1pair 24awg

Overall Foil & Braid Screen LSNH Grey

Product Construction

Alternative to Belden 9841 NH

Conductor Material Tinned Copper, Stranded **Conductor Stranding** 24awg, 7/0.20mm Insulation Material Polyethylene (PE)

Number of Pairs

Screening 1 Overall Aluminium Foil

>100% Screening 1 Coverage

Drain Wire Tinned Copper, 24awg Stranded Overall Tinned Copper Wire Braid Screening 2

Screening 2 Coverage >100%

Sheath Material Low Smoke Non-Halogen (LSNH)

Sheath Colour Grey

Core Colours Blue with a White Stripe; White with a Blue Stripe

Mechanical Characteristics

Overall Diameter 5.8mm ± 0.2mm Temperature Range -20°C to +70°C Fixed Flexing 0°C to +70°C

Bend Radius 15 x Overall Diameter

Weight 54 kg/km

Electrical Characteristics

Nom. Conductor DC Resistance @ 20°C: \leq 83.0 Ω /km Insulation Resistance >5000 MΩ.KM Capacitance Core to Core 42 pF/m ± 15 75 pF/m ± 20 Core to Screen Impedance $120 \Omega \pm 15$

Voltage Rating 300/500V

Certifications & Standards

Flame Retardancy BS EN 60332-1-2 Low Smoke BS EN 61034-2 Halogen Gas BS EN 60754-1&2

RoHS 3 Compliant Yes **REACH Compliant** Yes

UKCA CPR Classification Eca to BS EN 50575:2014+A1:2016

5 œ Independently Verified

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