

Technical Document
16core BT3002 75ohm Coaxial Cable
LSNH White

webro



Part Number: 470016E-LSNH-WHT

Description: 16core BT3002 75ohm Coaxial Cable
Low Smoke Non-Halogen (LSNH) White

Product Construction

Conductor Material	:	Bare Copper
Conductor Stranding	:	Solid, 1/0.31mm
Dielectric Material	:	Solid Polyethylene (SPE)
Dielectric Diameter	:	1.95mm ± 0.10
Screening 1	:	Tinned Copper Wire Braid
Screening 1 Coverage	:	> 85% ± 3
Screening 2	:	Tinned Copper Wire Braid
Screening 2 Coverage	:	> 87% ± 3
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	White
Printing	:	Each cable printed sequentially 1 through to 16



Mechanical Characteristics

Overall Diameter	:	19.5mm ± 0.40mm
Temperature Range	Fixed	-15°C to +70°C
	Fixed	-5°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	522 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 236.0 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 16.0 Ω/ km @ 20°C
Impedance	:	75 Ω ± 4
Nominal Capacitance	:	67 pF/m
Velocity of Propagation	:	66%
Insulation Resistance @ 20°C	:	≥ 500 M Ω*KM
Return Loss @ 1MHz-200MHz	:	> 30 dB
Voltage Rating	:	30v

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
1	≤ 2.2 dB	45	≤ 15.8 dB
5	≤ 4.8 dB	100	≤ 23.8 dB
10	≤ 7.2 dB	155	≤ 30.0 dB

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

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