PLU030067

LEONI Special Cables GmbH

Design

Wire
Tinned copper wire ø 0.4 mm (0.016 in)
Insulation of foamed Polyethylen (PE) with skin ø 1.0 mm (0,039 in)

Core
2 wires, WH and BN twisted to a pair
Idendification thread
Plastic laminate, overlapped
Tinned copper drain wire ø 0.4 mm
Alulaminate foil overlapped ø 2.3 mm (0.091 in)

Jacket:
Thermoplastic copolymer (FRNC) GY
Wall thickness about 0.25 mm ø (2.8 ±0.1) mm (0.110 ±0.004 in)

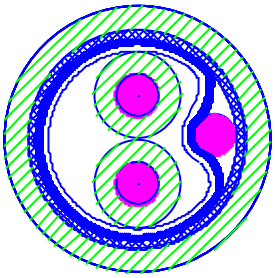
Electrical data at 20°C

Conductor resistance	≤	153	Ohm/km
Insulation resistance	≥	10	GOhm*km
Characteristic impedance (400 kHz)		120	Ohm
Operating voltage (peak)	≤	250	V
Capacitance (1 kHz)	≈	46	nF/km
Test voltage (wire/wire/screen rms 50Hz 1min)	=	500	V

Frequency (kHz)	120	300	600	1000	3000	5000	10000
Attenuation typ. (dB/100m)	1.1	1.8	2.7	3.8	6.1	7.3	9.5

Mechanical and thermal characteristic
Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B
Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table 2/A (HD 624.3)
Jacket material acc. to DIN EN 50290-2-27 (HD 624.7)
Stripping force of insulation ≤ 4.5 N, samples 50mm, test acc. to SN 54233
Solder shrink acc. to DIN VDE 0472. part 808/C
Degree of contraction ≤ 2.5 mm
Flame test acc. to IEC 60332-1

Application / Special feature:
Permissible temperature range : -40°C (-40°F) up to +70°C (+158°F)
min. bending diameter allowed : multiple 20X ø, single 10X ø
Weight about : 8 Kg/km (5 lb/1000ft)



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