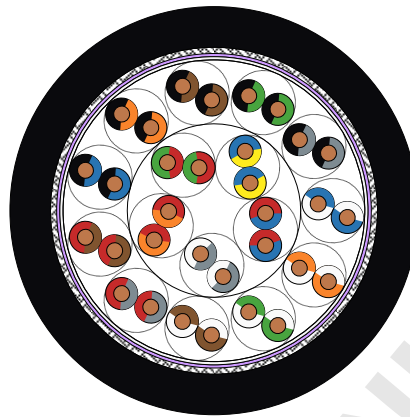


2Y(ST)CY 16X2X0.5/1.0 BK



Design

Wire

Bare copper wire (24 AWG)
Insulation of Polyethylene (PE)

2 wires twisted to a pair

Core:

1. layer: 5 pairs
2. layer: 11 pairs
Plastic tape overlapped
Alulaminat foil > 100 % overlapped
Stranded tinned copper drain wire (24 AWG)
Shield braiding of tinned copper wires
Coverage about 80%

Jacket:

Polyvinylchloride (PVC) BK

Pair	Color Combination
1	WHBU/BUWH
2	WHOG/OGWH
3	WHGN/GNWH
4	WHBN/BNWH
5	GYRD/RDGY
6	BNRD/RDBN
7	BUBK/BKBU
8	OGBK/BKOG
9	BNBK/BKBN
10	GNBK/BKGN
11	GYBK/BKGY
12	BUYE/YEBU
13	BURD/RDBU
14	GYWH/WHGY
15	OGRD/RDOG
16	GNRD/RDGN

ø 0.51 mm (0.020 in dia)
ø 1.03 mm (0.041 in dia)

Printing: LEONI L * 16 pairs 26AWG PVC outdoor + "internal order number"

Electrical data at 20°C

Conductor resistance	≤	93.8	Ohm/km
Resistance difference		5	%
Insulation resistance	≥	5000	MOhm*km
Characteristic impedance at 100 MHz		(100 ±15)	Ohm
Capacity unbalanced	≤	330	pF/100m
Time delay	nom.	5.38	ns/m
Time delay skew (Pair to Pair)	≤	4.5	ns/10m
Operating voltage (effective value)	≤	80	V
Test voltage (wire/wire/screen rms 50Hz 1min)		1000	V

ø (11.2 ±0.3) mm (0.441 ±0.012 in dia)

Frequency (MHz)	0.772	1	4	8	10	16	20	25	31.25	62.5	100
Attenuation typ. (dB/100m)	1,8	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22
Near-end crosstalk typ. (dB)	64	62	53	48	47	44	42	41	39	35	32

Mechanical and thermal characteristics

Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table L/MD (HD 624.3) (2Y)
 Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compound type TM52 (HD 624.2)
 Flame retardant acc. to UL 1666 (Riser) (must be testified)

Applicable specifications

UL CMR / CMX – Outdoor
 UL CMG
 Category 3

Other characteristics:

RoHS compliant (Directive 2011/65/EC)
 Sunlight resistant acc. to UL 444 Sec. 7.12
 UL 2556 weather (Sunlight) resistance test complaint
 UL444 weatherometer and cold impact complaint
 Suitable for indoor/outdoor applications per NEC article 800

Permissible temperature range

Transport, installation and operating: -40 °C (-40 °F) up to 80 °C (176 °F)

Max. pulling force : 106 kg (235 lbs)
 Min. bending radius allowed: repeated 10X \varnothing , single 5X \varnothing
 Weight about : 168 kg/km (113 lb/1000ft)

Designation of order:

L45467-J1615-B5
 227892
 2Y(ST)CY 16X2X0.5/1.0 SW
 1000 m (3281 ft) on non-returnable reel

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