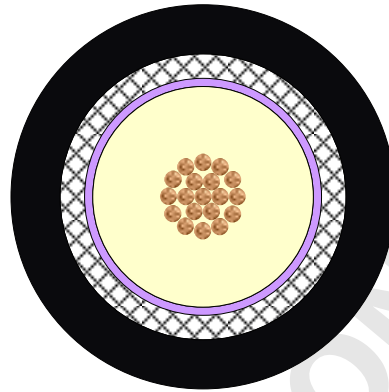


Coaxial Cable 50Ω

02YS(ST)CY 1.0/2.7-50 LI



Design

Inner conductor: Stranded bare copper wire 19 X 0.21
 Insulation of foamed Polyethylene (PE) with skin
 Alulaminat foil overlapped, applied longitudinally
 Shield braiding of tinned copper wires 0.15 mm dia
 Coverage about 90%

∅ 1.05 mm (0,041 in)

∅ 2.7 mm (0,106 in)

∅ 3.4 mm (0,134 in)

Jacket:

Polyvinylchloride (PVC) BK
 Wall thickness about 0.6 mm

∅ (4.6 +0.15 -0.2) mm (0,181 +0,006 -0,008 in)

Printing: LEONI L * L45466-B13-C65

Electrical data at 20°C

Conductor resistance	≤	30	Ohm/km
Insulation resistance	≥	10	GOhm*km
Capacitance (1 kHz wire/screen)	≈	80	nF/km
Characteristic impedance		(50 ±3)	Ohm
Return loss			
800 - 1000 MHz	≥	20	dB
1700 - 2000 MHz	≥	20	dB
300 - 2500 MHz (test length = 1 m)	≥	25	dB
Screening efficiency (50 -2000 MHz)	≥	80	dB
Test voltage (rms 50Hz 1min)		1000	V

Frequency (MHz)	10	50	100	300	500	1000	2000	2500	4000	5000	6000
Attenuation typ. (dB/100m)	4.9	9.7	13.2	22	29	42	61	68	90	102	113
Mean. power (W) at 40°C	757	336	237	135	104	72	50	44	34	30	27

Mechanical and thermal characteristics

Conductor material acc. to DIN EN 13602 Cu-ETP-A...

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) (02Y)

Jacket material acc. to DIN VDE 0207, compound type YM3

Flame retardant acc. to UL 1581, Sec. 1080 (VW-1)

Flame retardant acc. to ECE-R 118 Amendment 02, Para. 6.2.6 with the ISO 6722- 1:2012 Para. 12

UL-Style 1354

Application / Special feature:

Min. bending radius allowed: multiple 40 mm, single 20 mm

Transport and storage : - 40 °C to + 80 °C

during installation : - 20 °C to + 80 °C

max. 5h : - 40 °C to + 85 °C

PVC weight with Phthalate : 10.8 Kg/km

PVC weight without Phthalate : 0 Kg/km

Designation of order:

L45466-B13-C65 (205644) 3000 m (9842 ft) on non-returnable reel

L45466-B13-C65-L7 (206618) 1000 m (3281 ft) on non-returnable reel

02YS(ST)CY 1.0/2.7-50 LI SW