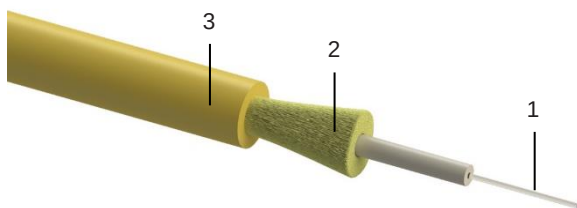


CABLE Type

Simplex Cables for the making of R&M Patch Cord



1. Tight buffered optical fiber
2. Aramid yarn
3. FRLSZH outer jacket

030.6839.C.EN / similar product

GENERAL DESCRIPTION

The non-metallic Simplex Cables are designed for direct connector assembly for making patch cables or cable pigtails. The Simplex Cables are available from 1.4 mm up to 3.0 mm diameter and can be assembled with all available connectors. Furthermore, the Simplex Cables are characterized by high flexibility and tight bending radii.

PROPERTIES

Kabel diameter	1.4 mm	2.0 mm	2.7 mm	3.0 mm	
Tight buffer diameter - nominal	600 µm	900 µm	900 µm	900 µm	
Cable outer diameter tolerance	±0.1 mm	±0.15 mm	±0.2 mm	±0.2 mm	
Cable weight (informative)	3.2 kg/km	4.0 kg/km	6.9 kg/km	9.0 kg/km	
Tensile performance – installation	100 N	200 N	200 N	200 N	IEC 60794-1-21: E1
Tensile performance – in service	70 N	100 N	100 N	100 N	21: E1
Crush resistance – short term	500 N/100 mm	500 N/100 mm	500 N/100 mm	500 N/100 mm	21: E3
Crush resistance – in service	150 N/100 mm	200 N/100 mm	200 N/100 mm	200 N/100 mm	21: E3
Impact resistance	0.75 J, 5 impacts	1.0 J, 3 impacts	1.0 J, 3 impacts	1.0 J, 3 impacts	21: E4
Repeated bending	1000	5000	5000	5000	21: E6
Min. Radius – installation	30 mm	50 mm	60 mm	60 mm	21: E11
Min. Radius – in service	20 mm	25 mm	30 mm	30 mm	21: E11
Temperature range – installation	-5°C ÷ +50°C				22: F12
Temperature range – in service	-25°C ÷ +70°C (Cat. OP)				22: F12
Thermal load	0.05 MJ/km	0.08 MJ/km	0.15 MJ/km	0.17 MJ/km	
Flammability - vertical single cable	pass	pass	pass	pass	IEC 60332-1-2
Flammability - vertical cable bundle		pass	pass	pass	IEC 60332-3-25
Halogen degree, acid gases	pass	pass	pass	pass	IEC 60754-2
Smoke density	pass	pass	pass	pass	IEC 61034-1 / 2
Outer Jacket Material	FRLSZH				
Outer Jacket Color	Depending on fiber type used: Multimode: OM2 orange, OM3 turquoise, OM4 heather violet, OM5 lime green Singlemode: G657.A1, G657.A2 yellow				