



- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- For direct connector assembly
- Easy stripping
- Tight bending radius
- Optimized outer-diameter construction
- Low smoke, halogen free and self-extinguishing

Technical Data

Pos.	Description / Material	Size	
1	1 Strength member	0.5 mm	
2	4 Optical fibers	250 µm	Fiber type, buffered
3	4 Tight tube easy stripping	0.6 mm	
4	Reinforced aramide yarn		
5	Outer jacket / PE flame retardant (LSZH)	4.8 mm	

Mechanical data

Characteristics	Conditions	Tested acc. to	Values
Weight			24.8 kg/km
Tensile strength	During installation In Service	IEC 60794-1-2 E1	500 N 300 N
Minimal bending radius	During installation, 6 turns In service, 6 turns	IEC 60794-1-2 E11	10 mm 10 mm
Crush resistance	Short-term Long-term	IEC 60794-1-2 E3	1000 N/cm 150 N/cm
Impact resistance		IEC 60794-1-2 E4	100 impacts
Repeated bending	Radius = 30 mm / Weight = 1 kg	IEC 60794-1-2 E6	5000 cycles
Kink resistance	Radius 6 mm	IEC 60794-1-2 E10	Passed
Torsion	Angle = ±360° / Length = 500 mm	IEC 60794-1-2 E7	1000 cycles

Environmental Data

Characteristics	Conditions	Tested acc. to	Value
Temperature range	During installation In service In storage	IEC 60794-1-2 F1	-20°C up to +70°C -40°C up to +70°C -40°C up to +70°C
Fire load			0.185 MJ/m
Fire propagation	On a vertical single cable	IEC 60332-1-2	Passed
Fire test: degree of acidity		IEC 60754-2	Passed
2002/95/EC (RoHS)			Compliant

This document was prepared with the greatest possible care and reflects the current state of technology at the time of printing. Subject to corrections and technical changes.