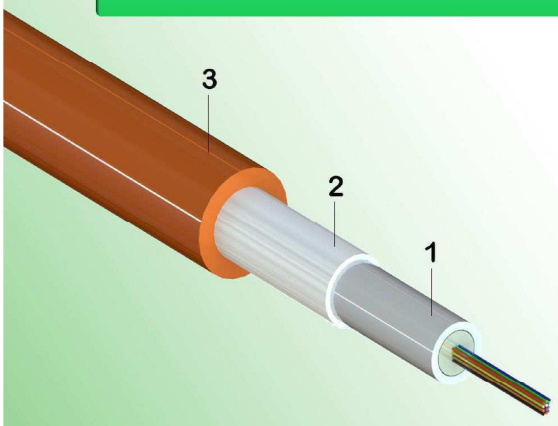
fiber solutions OPTIX

Fibre optic cable - general specification

cable construction code*:	**UT1EF xx.yy.zz**
DIN code:	**J/A-DQ(ZN)H wbg**



1. Gel filled PBT loose tube with optical fibres
2. Water-blocking E-glass yarn
3. FRLSOH UV stable outer jacket

Cable general description

Max. 12 fibre uni-tube nonmetallic cable for indoor or outdoor duct installation with standard level of rodent protection.

Construction and dimensions

Loose tube nominal diameter	2,3 mm
Outer jacket nominal thickness	1,0 mm
Cable nominal outer diameter	5,2 mm
Cable informative weight	33 kg/km
Standard put-up length	2100/4100 m ± 5%

Basic features

Tensile strength	1000 N	IEC 60794-1-2/E1A
Crush resistance	2000 N/10cm	IEC 60794-1-2/E3
Impact resistance	3x w/20N.m	IEC 60794-1-2/E4
Min. bend radius	15x cable diameter	no load
	20x cable diameter	load
Temperature range		IEC 60794-1-2/F1
installation	-5 ÷ 50°C	
operation	-20 ÷ 70 °C	
storage	-30 ÷ 70°C	
Moisture resistance	yes	IEC 60794-1-2/F5
Cable expected life time	Min. 30 years	

Indoor installation

Flammability	yes	EN 60332-3-10, EN 60332-3-22
Acid gases	yes	EN 50267-1, EN 50267-2-2, EN 50267-2-3
Smoke density	yes	EN 61034-1, EN 61034-2

Outer jacket

Material	UV stable FRLSOH
Jacket colour	Orange or black. Other colours available on request
Sheath marking	Ink-Jet, white or black depending on the jacket colour
Print legend	" **OPTIX** Optics - cable type - lot number - length marking per 1m". Customer print legend available on request.

Optical fibres

Colour coding (IEC 60304)	1.red, 2.green, 3.blue, 4.yellow, 5.white, 6.grey, 7.brown, 8.violet, 9.turquoise, 10.black, 11.orange, 12.pink
Fibre type	All kinds of single- and multi-mode fibres (OS2, OM1, OM2, OM3, OM4). Geometrical and transmission parametres are available at separate generic datasheet.