



All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

### Cable Description

- 01. Central Element (GRP)
- 02. Tight Buffer Fibre (0.9 mm)
- 03. Aramid
- 04. Jacket (Subcables)
- 05. Metallic Armour
- 06. Outer Jacket

### Applications

Universal (Indoor / Outdoor)

### Rodent protection

Excellent rodent resistance

### Options

Jackets: PVC / PU / PA  
 Special colour code

### Fire resistance

Flame retardant  
 Halogen free  
 Low Smoke emission

### Advantages

Compact / Tough / Resistant / Easy to strip (gel free) / Direct connectorization / Saves installation costs / Excellent Rodent Protection.



MOISTURE PROTECTED



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

	SPECIFICATIONS						
<b>Fibres</b>	16	24	32	36	48	64	72
<b>Strength Members</b>	Aramid Yarns						
<b>Subcables 4 F.O.</b>	4	6	8	9	12	16	18
<b>Subcables jacket</b>	Thermoplastic						
<b>Identification</b>	Numbers						
<b>Armour</b>	Steel Wires Braid						
<b>Outer jacket</b>	Thermoplastic LSZH <sup>1</sup>						
<b>Colour</b>	Dark Grey / Black						
<b>Weight (Kg/Km)</b>	131	186	244	285	315	386	391
<b>Outer Ø (mm)</b>	11.2 ± 0.5	13.3 ± 0.5	15.3 ± 0.5	16.5 ± 0.5	18.3 ± 0.5	20.3 ± 0.5	20.3 ± 0.5
<b>Tensile Load Perm / Inst (N)</b>	900 / 1600	1200 / 2150	1500 / 2700	1650 / 2950	2300 / 4000	3000 / 4000	3000 / 4000
<b>Crush (N)</b>	1500						
<b>Temperature Range</b>	-20 °C to +70 °C						
<b>Min. Bending Radius</b>	20 x Outer Ø						
<b>Maximum Length</b>	1800 m						

#### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794.

Fire test according to: UNE-EN 50266 (IEC 60332-3) / UNE-EN 50267 (IEC 60754-1) / UNE-EN 50268 (IEC 61034-1/2).

Fibres colour code : red, green, grey, yellow.

<sup>1</sup>LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.