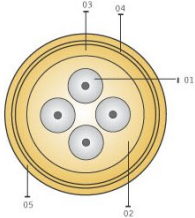




Metallic Armoured Distribution Cable (Up to 12 FO)



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

Descripción cable

- 01. Tight Buffer Fibre (0.9 mm)
- 02. Reinforced Fiberglass Yarns
- 03. Inner Jacket.
- 04. Metallic Armour
- 05. Outer Jacket

Fire resistance

- Flame retardant
- Halogen free
- Low smoke emission

Applications

Universal (Indoor / Outdoor)

Rodent protection

Excellent rodent resistance

Options

Jackets: PVC / PU / PA
 Special colour code

Advantages

Compact / Lightweight / Flexible / Tough / Resistant / Easy to strip (gel free) /
 Reduced diameter / Direct connectorization / Saves installation costs / Excellent
 rodent protection.



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

	SPECIFICATIONS				
Fibres	2	4	6	8	12
Strength Members	Reinforced Fiberglass Yarns (WB)				
Inner jacket	Thermoplastic				
Armour	Steel Wires Braid				
Outer jacket	Thermoplastic LSZH ¹				
Colour	Black				
Weight (Kg/Km)	98	104	111	138	157
Outer Ø (mm)	9.0 ±0.3	9.3 ±0.3	9.5 ±0.3	10.7 ±0.3	11.5 ±0.3
Tensile Load Perm / Inst (N)	700 / 1250		800 / 1450		900 / 1600
Crush (N)	1500				
Temperature Range	-20 °C to +70 °C				
Min. Bending Radius	20 x Outer Ø				
Maximum Length	4200 m				

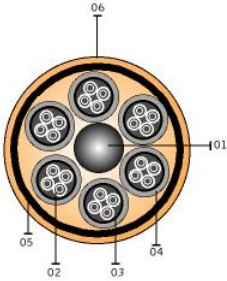
Standards

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, blue, natural, white, brown, violet, orange, pink, black.

¹LSZH – Halogen free, low smoke emissions and flame retardant thermoplastic compound.



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

¹LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.