

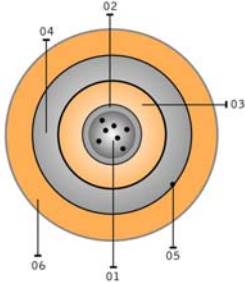
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OPTRAL

DSP-1



Metallic Armoured Unitube Cable (Up to 24 FO)



Cable Description

- 01. Fibre Optics
- 02. Central Tube (Jelly filled)
- 03. Fiberglass Reinforcements - WB
- 04. Metallic Armour
- 05. Ripcord
- 06. Outer Jacket

Applications

Outdoor

Rodent protection

Excellent rodent resistance

Options

Strength Members = Aramid Yarns (KSP-1 Type)
Special colour code (TIA 598)



Advantages

Compact / Tough / Resistant / Reduced diameter / Watertight / Excellent resistance to friction / Suitable for "blown air" system / Excellent resistance to rodents.



MOISTURE PROTECTED



WATERTIGHT



LOW FRICTION



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



HALOGEN FREE

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

SPECIFICATIONS	
Fibres	2 / 4 / 6 / 8 / 12 / 16 / 24
∅ Central Tube (mm)	4.5 ± 0.2
Strength Members	Reinforced Fiberglass Yarns WB (Waterblocking)
Armour	Corrugated Steel Armour
Outer jacket	Lineal Low Density Polyethylene
Colour	Black
Weight (Kg/Km)	88
Outer ∅ (mm)	9.6 ± 0.3
Tensile Load Perm / Inst (N)	1500 / 2700
Crush (N)	2000
Temperature Range	-40° C to +70°C
Min. Bending Radius	20 x Outer ∅
Maximum Length	2000 m

Standards

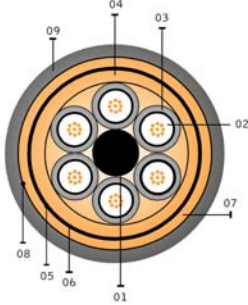
Environmental and mechanical tests according to EN 187000 and CEI 60794.

Fibres colour code: Red, green, yellow, blue, white, violet, orange, black, grey, brown, pink, turquoise. With stripe: red, green, yellow, blue, white, violet, orange, natural, grey, brown, pink, turquoise.

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Metallic Armoured Multitube Cable (Up to 144 FO)



Cable Description

- 01. Central Element (GRP)
- 02. Fibre Optics
- 03. Loose Tube (Jelly Filled)
- 04. Fiberglass Reinforcements - WB
- 05. Metallic Armour
- 06. Ripcord
- 07. Outer Jacket

Applications

Outdoor

Rodent protection

Excellent rodent resistance

Options

Strength Members = Aramid (KSP Type)
Special colour code (TIA 598)



Advantages

Compact / Tough / Resistant / Excellent resistance to friction / Suitable for "blown air" system / Excellent rodent protection.



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SPECIFICATIONS										
Fibres	16	24	32	36	48	64	72	96	128	144
Fibres per Tube	4	6	8	6	8	8	12	12	8	12
Total Tubes	4	4	6	6	6	8	8	8	18	14
Active Tubes	4	4	4	6	6	8	6	8	16	12
Strength Members	Reinforced Fiberglass Yarns WB (Waterblocking)									
Armour	Corrugated Steel Armour									
Outer jacket	Lineal Low Density Polyethylene									
Colour	Black									
Weight (Kg/Km)	98	98	143	148	148	220	215	222	269	261
Outer Ø (mm)	10.0 ±0.5	10.0 ±0.5	12.5 ±0.5	12.5 ±0.5	12.5 ±0.5	16.0 ±0.5	16.0 ±0.5	16.0 ±0.5	18.5 ±0.5	18.5 ±0.5
Tensile Load Perm / Inst (N)	2000 / 3600									
Crush (N)	2500									
Maximum Length (m)	4200	4200	3100	3100	3100	2100	2100	2100	3100	2100
Temperature Range	-40° C to +70°C									
Min. Bending Radius	20 x Outer Ø									

Standards

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

Fibres colour code: Red, green, blue, yellow, grey, violet, brown, orange, white, pink, black and natural.