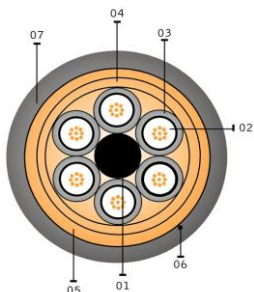


OPTRAL



DST / A-DQ(ZN)(SR)H

Metallic Armoured Multitube Cable (Up to 288 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

Indoor / Outdoor

Rodent protection

Excellent rodent resistance

Options

Strength Members = Aramid (KST Type)
Special colour code (EIA/TIA 598)

Fire performance

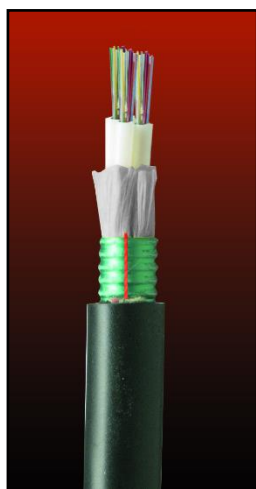
Flame retardant (IEC 60332-1/-3)
Halogen free (IEC 60754-1/-2)
Low smoke emission (IEC 61034-2)

CPR Classification (Euroclass)

Reaction to Fire: Eca
Declaration Code: DOP01200

Advantages

Compact / Tough / Resistant / Excellent rodent protection.



MOISTURE
PROTECTED



ULTRAVIOLET
RESISTANCE



RODENT
PROTECTION



FLAME
RETARDANT



LOW SMOKE
EMISSION



HALOGEN
FREE

SPECIFICATIONS

Fibres	2 - 12	16	24	32	36	48	64	72	96	128	144
Fibres per Tube	2 - 12	8	12	8	12	12	8	12	12	8	12
Total Tubes	6	6	6	6	6	6	8	6	8	18	12
Active Tubes	1	2	2	4	3	4	8	6	8	16	12
Strength Members	Reinforced Fibreglass Yarns WB (Waterblocking)										
Armour	Corrugated Steel Armour										
Outer Jacket	LSZH ¹										
Colour	Dark Grey										
Weight (Kg/Km)	161	161	162	162	162	163	185	164	191	261	274
Outer Ø (mm ^{±0.5})	12.0	12.0	12.0	12.0	12.0	12.0	13.5	12.0	13.5	16.5	16.0
Max. Tensile Load (N)	1000 (Operation) / 1800 (Installation)								1500 / 2700		
Max. Crush (N/100mm)	2500 (IEC 60794-1-21 E3)										
Maximum Length (m)	4200	4200	4200	4200	4200	4200	4200	4200	4200	3200	3200
Temperature Range	-30°C to +70°C (IEC 60794-1-22 F1)										
Min. Bending Radius	20 x Outer Ø (IEC 60794-1-21 E11)										

Standards

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibres colour code: Red – Green – Blue – Yellow – Grey – Violet – Brown – Orange – White – Pink - Black and Turquoise.

Tubes colour code: Red – Green – Natural - ... - Natural. Passive Tubes in colour Black.

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

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	SPECIFICATIONS		
Fibres	192	256	288
Fibres per Tube	12	16	24
Total Tubes	18	18	12
Active Tubes	16	16	12
Strength Members	Reinforced Fibreglass Yarns WB (Waterblocking)		
Armour	Corrugated Steel Armour		
Outer Jacket	LSZH ¹		
Colour	Dark Grey		
Weight (Kg/Km)	264	266	337
Outer Ø (mm ± 0.5)	16.5	16.5	18.0
Max. Tensile Load (N)	1500 (Permanent) / 2700 (Installation) – (IEC 60794-1-21 E1)		
Max. Crush (N/dm)	2500 (IEC 60794-1-21 E3)		
Temperature Range	-30°C to +70°C (IEC 60794-1-22 F1)		
Min. Bending Radius	20 x Outer Ø (IEC 60794-1-21 E11)		

Standards

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibres colour code: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise. With black stripe: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Natural - Turquoise.
 Tubes colour code: Red – Green – Natural... – Natural. Passive Tubes in Black.

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

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