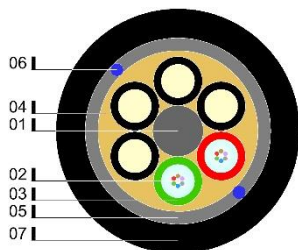


OPTRAL



DSP / A-DQ(ZN)(SR)2Y

Metallic Armoured Multitube Cable (Up to 288 FO)



Cable Description

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

Applications

Outdoor
Direct Buried
Permanent installation with fresh and salt water

Rodent protection

Excellent rodent resistance

Options

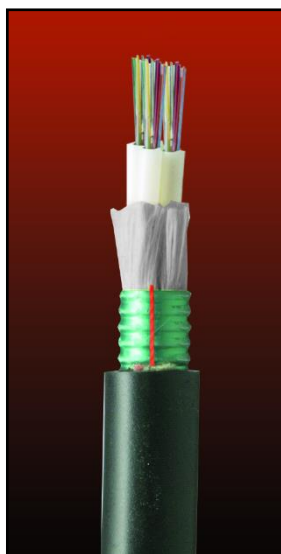
Special colour code (TIA 598)

CPR Classification (Euroclass)

Reaction to Fire: Fca
Declaration Code: DOP03150

Advantages

Compact / Tough / Resistant / Excellent resistance to friction / Excellent rodent protection.



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

	SPECIFICATIONS											
Fibres	2-12	16	24	32	36	48	60	64	72	96	128	144
Fibres per Tube	2-12	8	12	8	12	12	12	8	12	12	8	12
Total Tubes	6	6	6	6	6	6	6	8	6	8	18	12
Active Tubes	1	2	2	4	3	4	5	8	6	8	16	12
Strength Members	Reinforced Fibreglass Yarns WB (Waterblocking)											
Armour	Corrugated Steel Armour											
Outer Jacket	Polyethylene											
Colour	Black											
Weight (Kg/Km)	135	135	136	136	136	137	138	156	138	161	224	238
Outer Ø (mm ^{±0.5})	12.0	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)	2700 (Installation) - (IEC 60794-1-21 E1)									3200 (Inst.)		
Max. Crush (N/dm)	3000 (IEC 60794-1-21 E3)											
Temperature Range	-40°C to +70°C (IEC 60794-1-22 F1)											
Min. Bending Radius	15 x Outer Ø (Service) / 20 x Outer Ø (Installation) – (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.

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

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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	Polyethylene		
Colour	Black		
Weight (Kg/Km)	229	231	299
Outer Ø (mm ± 0.5)	16.5	16.5	18.0
Max. Tensile Load (N)	3200 - (IEC 60794-1-21 E1)		
Max. Crush (N/dm)	3000 - (IEC 60794-1-21 E3)		
Temperature Range	-40°C to +70°C (IEC 60794-1-22 F1)		
Min. Bending Radius	15 x Outer Ø (Service) / 20 x Outer Ø (Installation) – (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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