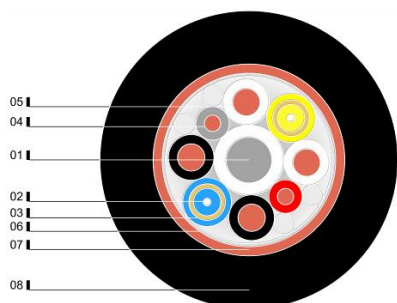


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OPTRAL

SMPTE 311 HDTV Indoor Hybrid-Cam-HD Cable (2 FO)



Cable Description

- 01. Central Strength Member
- 02. Tight Buffer Fibre (0.9 mm)
- 03. Subcable (with Aramid)
- 04. Conductors (24AWG)
- 05. Conductors (20AWG)
- 06. Non woven pol. Tape
- 07. Braid Shield
- 08. Outer Jacket

CPR Classification (Euroclass)

Reaction to Fire: Eca
Declaration Code: DOP04001

Applications

Indoor Type
Permanent Installation High Definition
Television (HDTV)
SMPTE 304M connectors

Norms / Approvals

SMPTE 311-2009 Standard

Options

Outer Jacket: PUR / PVC-FLX (*Outdoor Type*)
Optic Fibre: G.657.A2

Fire Performance

Flame Propagation (IEC60332-1)
Fire Propagation (IEC60332-3)
Halogen Free (IEC60754-1)
Low Smoke Emission (IEC61034-1/2)

Features

Extremely rugged
High tensile strength



MOISTURE
PROTECTED



ULTRAVIOLET
RESISTANCE



LOW SMOKE
EMISSION



FLAME
RETARDANT



HALOGEN
FREE

SPECIFICATIONS

	STRENGTH MEMBER	POWER	CONTROL	OPTIC FIBRE
NO. OF CORES	1	4	2	2
CORES TYPE	Galvanized steel wires	AWG20	AWG24	TIGHT BUFFER SM G.657.A1
CONDUCTOR CONSTRUCTION (n/mm)	19x0.25	19x0.20	7x0.20	SUBCABLE (with Aramid)
IDENTIFICATION	White	2xBlack 2xWhite	1xRed 1xGray	1xBlue 1xYellow
CORE Ø (mm)	2.50 ^{±0.1}	1.50 ^{±0.1}	1.10 ^{±0.1}	1.50 ^{±0.15}
Overall Braid Shield	Tinned Copper Braid (Coverage >70%)			
Outer Sheath	LSZH ¹ – Black			
Nominal Outer Ø (mm)	9.20			
Weight (Kg/Km)	135			
Tensile Load Permanent / Install. (N)	800 / 1500			
Maximum Crush (N/10cm)	1800			
Impact (J)	20 cycles @ 5.88N			
Temperature Range	-20°C ~ +75°C			
Min. Bending Radius (mm) @20°C	7 x Outer Ø			

Standards

Thermal and mechanical tests: EN187000, IEC60794-1-2.
SMPTE 311-2009

LSZH¹ – Flame retardant, low smoke and zero halogen compound.

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