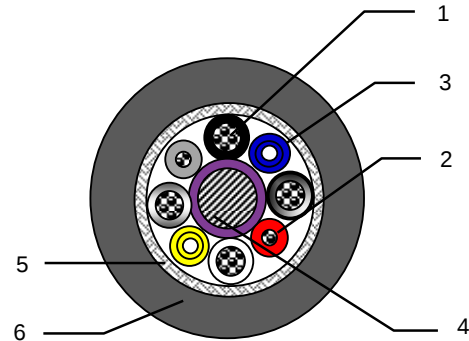


7804ES

Indoor/Mobile SMPTE Cable
4 Power cable cores + 2 Signal cable
Cores + 2 Tight buffered fibres +
Tinned copper braid +
PVC jacket



Applications

- Hybrid optical fibre cable designed to meet the SMPTE311M standard for HD television cameras and for use in field applications.

General Standards

- European standard EN 50117-1 and EN 50117-2-1
- SMPTE311M compliant
- Heat resistant.
- Indoor and mobile use
- Available with special put-up for easy connectorization on the drum.
- Bend Insensitive Optical Fibers acc. to ITU G.657A
- Strength member for extra durability
- Black Brilliance® outer jacket is UV-resistant

Construction & Dimensions

1. Component A (4 Power Conductors)

Conductor	AWG 20 (19x32) Tinned copper
Insulation	HDPE
Nominal diameter	1.57 mm
Colours	Black, White, Black/White and White/Black

2. Component B (2 Signal Conductors)

Conductor	AWG 24 (7x32) Tinned copper
Insulation	HDPE
Nominal diameter	1.22 mm
Colours	Red and Grey

3. Component C (2 Tight buffered fibres)

Fiber	Single mode (9/125 – ITU G.657A)
Insulation	Thermoplastic
Diameter	0.9 ± 0.1 mm
Aramid yarns as strength member	
Diameter over sheath SFU	1.60 mm
Material	FRNC
Colours	Blue and Yellow

4. Central Strength Member

Up jacketed stranded steel member

Conductor

Insulation

Nominal diameter

Colours

AWG 14 Stainless steel

HDPE

2.16 mm

Violet

5. Shield

Overall tinned copper braid shield

80 % min. coverage

6. Jacket

Material

Nom. wall

Nom. diameter

Colours

PVC

1.50 mm

9.2 mm

Black

Mechanical characteristics

Parameter	Specification	Unit
Max. Pulling tension	750	N
Operating temperature	-40 to +75	°C
Min. Bending radio for fibres (installation / operation)	25	mm
	Max. increase 0.02 dB/turn @1550nm	
	Max. increase 0.20 dB/turn @1550nm	
Min. Bending radio cable	7xØ	

Electrical characteristics

Test methods in accordance with European standard EN 50117-1

Parameter	Specification	Unit
Optical attenuation @ 1310 nm	Tight	
	Average/max:0.35/ 0.5	dB/km
Component A (20 AWG) DCR	< 36	Ω/km
Component B (24 AWG) DCR	< 92	Ω/km

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.

