



ARMORED OUTDOOR FIBRE CABLE

IEC 60794-3

8 orderable sizes

STANDARD IEC 60794-3	CONDUCTOR OS2 / OM3	INSULATION / JACKET PE outdoor jacket
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Construction

- 1 **Optical fibres** – Colour-coded singlemode/multimode fibres
- 2 **Loose tube** – Gel-filled buffer tube
- 3 **Strength member** – Central FRP / steel rod
- 4 **Aramid yarn** – Water-blocking + aramid strength
- 5 **Armour** – Corrugated steel tape (CST)
- 6 **Sheath** – PE outdoor jacket

Size selection – all available cross-sections

Cable reference	Fibre type	Fibre count	Cable design	Installation	Strength member	Protection	Sheath / jacket	Optical attenuation	Tensile load	Crush resistance	OD guide
CST Armoured Fibre OS2 12 Fibre PE outdoor jacket	OS2	12 fibre	12 fibre OS2 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	2000 N/100 mm guide	11.9 mm
CST Armoured Fibre OS2 24 Fibre PE outdoor jacket	OS2	24 fibre	24 fibre OS2 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	2000 N/100 mm guide	12.7 mm
CST Armoured Fibre OS2 48 Fibre PE outdoor jacket	OS2	48 fibre	48 fibre OS2 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	2000 N/100 mm guide	13.8 mm
CST Armoured Fibre OS2 96 Fibre PE outdoor jacket	OS2	96 fibre	96 fibre OS2 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	2000 N/100 mm guide	15.4 mm
CST Armoured Fibre OM3 12 Fibre PE outdoor jacket	OM3	12 fibre	12 fibre OM3 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	2000 N/100 mm guide	11.9 mm
CST Armoured Fibre OM3 24 Fibre PE	OM3	24 fibre	24 fibre OM3	Outdoor duct,	FRP central	Corrugated steel tape	PE outdoor	3.0 dB/km at 850 nm,	1.5 kN installation	2000 N/100 mm guide	12.7 mm

Cable reference	Fibre type	Fibre count	Cable design	Installation	Strength member	Protection	Sheath / jacket	Optical attenuation	Tensile load	Crush resistance	OD guide
outdoor jacket			Loose tube armoured optical cable	rodent-risk route and buried duct route	strength member	armour	jacket	1.0 dB/km at 1300 nm max	load guide		
CST Armoured Fibre OM3 48 Fibre PE outdoor jacket	OM3	48 fibre	48 fibre OM3 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	2000 N/100 mm guide	13.8 mm
CST Armoured Fibre OM3 96 Fibre PE outdoor jacket	OM3	96 fibre	96 fibre OM3 Loose tube armoured optical cable	Outdoor duct, rodent-risk route and buried duct route	FRP central strength member	Corrugated steel tape armour	PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	2000 N/100 mm guide	15.4 mm