



OUTDOOR DUCT FIBRE CABLE

IEC 60794-3

12 orderable sizes

STANDARD IEC 60794-3	CONDUCTOR OS2 / OM3	INSULATION / JACKET UV resistant 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 **Sheath** – UV resistant 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
Outdoor Loose Tube Duct Fibre OS2 12 Fibre UV resistant PE outdoor jacket	OS2	12 fibre	12 fibre OS2 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	9.6 mm
Outdoor Loose Tube Duct Fibre OS2 24 Fibre UV resistant PE outdoor jacket	OS2	24 fibre	24 fibre OS2 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	10.4 mm
Outdoor Loose Tube Duct Fibre OS2 48 Fibre UV resistant PE outdoor jacket	OS2	48 fibre	48 fibre OS2 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	11.5 mm
Outdoor Loose Tube Duct Fibre OS2 72 Fibre UV resistant PE outdoor jacket	OS2	72 fibre	72 fibre OS2 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	12.4 mm
Outdoor Loose Tube Duct Fibre OS2 96 Fibre UV resistant PE outdoor jacket	OS2	96 fibre	96 fibre OS2 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	13.1 mm
Outdoor Loose Tube Duct Fibre OS2 144 Fibre UV resistant PE outdoor jacket	OS2	144 fibre	144 fibre OS2 Stranded loose tube	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	1.5 kN installation load guide	1000 N/100 mm guide	14.3 mm

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			duct cable								
Outdoor Loose Tube Duct Fibre OM3 12 Fibre UV resistant PE outdoor jacket	OM3	12 fibre	12 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	9.6 mm
Outdoor Loose Tube Duct Fibre OM3 24 Fibre UV resistant PE outdoor jacket	OM3	24 fibre	24 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	10.4 mm
Outdoor Loose Tube Duct Fibre OM3 48 Fibre UV resistant PE outdoor jacket	OM3	48 fibre	48 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	11.5 mm
Outdoor Loose Tube Duct Fibre OM3 72 Fibre UV resistant PE outdoor jacket	OM3	72 fibre	72 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	12.4 mm
Outdoor Loose Tube Duct Fibre OM3 96 Fibre UV resistant PE outdoor jacket	OM3	96 fibre	96 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	13.1 mm
Outdoor Loose Tube Duct Fibre OM3 144 Fibre UV resistant PE outdoor jacket	OM3	144 fibre	144 fibre OM3 Stranded loose tube duct cable	Outdoor duct, tray and campus backbone routes	FRP central strength member	Water-blocking yarn and tape	UV resistant PE outdoor jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	1.5 kN installation load guide	1000 N/100 mm guide	14.3 mm