



DIRECT BURIAL FIBRE CABLE

IEC 60794-3

10 orderable sizes

STANDARD IEC 60794-3	CONDUCTOR OS2 / OM3	INSULATION / JACKET Double PE direct burial 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 – Steel wire armour
- 6 Sheath – Double PE direct burial 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
SWA Direct Burial Fibre OS2 12 Fibre Double PE direct burial jacket	OS2	12 fibre	12 fibre OS2 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	2.0 kN installation load guide	2000 N/100 mm guide	14.2 mm
SWA Direct Burial Fibre OS2 24 Fibre Double PE direct burial jacket	OS2	24 fibre	24 fibre OS2 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	2.0 kN installation load guide	2000 N/100 mm guide	15.0 mm
SWA Direct Burial Fibre OS2 48 Fibre Double PE direct burial jacket	OS2	48 fibre	48 fibre OS2 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	2.0 kN installation load guide	2000 N/100 mm guide	16.1 mm
SWA Direct Burial Fibre OS2 96 Fibre Double PE direct burial jacket	OS2	96 fibre	96 fibre OS2 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	2.0 kN installation load guide	2000 N/100 mm guide	17.7 mm

Cable reference	Fibre type	Fibre count	Cable design	Installation	Strength member	Protection	Sheath / jacket	Optical attenuation	Tensile load	Crush resistance	OD guide
SWA Direct Burial Fibre OS2 144 Fibre Double PE direct burial jacket	OS2	144 fibre	144 fibre OS2 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	0.36 dB/km at 1310 nm, 0.22 dB/km at 1550 nm max	2.0 kN installation load guide	2000 N/100 mm guide	18.9 mm
SWA Direct Burial Fibre OM3 12 Fibre Double PE direct burial jacket	OM3	12 fibre	12 fibre OM3 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	2.0 kN installation load guide	2000 N/100 mm guide	14.2 mm
SWA Direct Burial Fibre OM3 24 Fibre Double PE direct burial jacket	OM3	24 fibre	24 fibre OM3 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	2.0 kN installation load guide	2000 N/100 mm guide	15.0 mm
SWA Direct Burial Fibre OM3 48 Fibre Double PE direct burial jacket	OM3	48 fibre	48 fibre OM3 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	2.0 kN installation load guide	2000 N/100 mm guide	16.1 mm
SWA Direct Burial Fibre OM3 96 Fibre Double PE direct burial jacket	OM3	96 fibre	96 fibre OM3 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	2.0 kN installation load guide	2000 N/100 mm guide	17.7 mm
SWA Direct Burial Fibre OM3 144 Fibre Double PE direct burial jacket	OM3	144 fibre	144 fibre OM3 Loose tube direct burial optical cable	Direct burial, utility corridor and exposed outdoor routes	FRP central strength member with water blocking	Galvanised steel wire armour	Double PE direct burial jacket	3.0 dB/km at 850 nm, 1.0 dB/km at 1300 nm max	2.0 kN installation load guide	2000 N/100 mm guide	18.9 mm