



OFFSHORE COMMUNICATION AND OPTICAL PACKAGE

IEC 60794 / IEC 61158

4 orderable sizes

STANDARD IEC 60794 / IEC 61158	VOLTAGE CLASS Signal / optical	CONDUCTOR 0.75 mm², AWG22 data pair, Cat6A 4 pair, OS2 12 fibre
INSULATION / JACKET SHF1 or LSZH communication sheath		

Construction

- 1 ■ Conductor (per core)
- 2 ■ Pair insulation
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Sheath – SHF1 or LSZH communication sheath

Size selection — all available cross-sections

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	Ordering code
Offshore Communication Fibre Signal / fieldbus 1 pair fieldbus 0.75 mm ² SHF1 or LSZH communication sheath	Offshore communication, fieldbus and optical package	IEC 60794 / IEC 61158	Screened data, fieldbus and optical communication cable	Signal / fieldbus	1 pair fieldbus	0.75 mm ²	Foil/braid screen or dielectric optical protection	LSZH, low smoke and flame retardant	Offshore automation, control network and telecom routes	SHF1 or LSZH communication sheath	Profibus / RS-485 impedance and capacitance reference	1 n
Offshore Communication Fibre Signal / data 2 pair data AWG22 data pair SHF1 or LSZH communication sheath	Offshore communication, fieldbus and optical package	IEC 60794 / IEC 61158	Screened data, fieldbus and optical communication cable	Signal / data	2 pair data	AWG22 data pair	Foil/braid screen or dielectric optical protection	LSZH, low smoke and flame retardant	Offshore automation, control network and telecom routes	SHF1 or LSZH communication sheath	Data-pair impedance, capacitance and continuity reference	2 n
Offshore Communication Fibre Ethernet 4 pair Ethernet Cat6A 4 pair SHF1 or LSZH communication sheath	Offshore communication, fieldbus and optical package	IEC 60794 / IEC 61158	Screened data, fieldbus and optical communication cable	Ethernet	4 pair Ethernet	Cat6A 4 pair	Foil/braid screen or dielectric optical protection	LSZH, low smoke and flame retardant	Offshore automation, control network and telecom routes	SHF1 or LSZH communication sheath	100 Ω impedance and transmission test reference	2 n
Offshore Communication Fibre Optical 12 fibre optical OS2 12 fibre SHF1 or LSZH communication sheath	Offshore communication, fieldbus and optical package	IEC 60794 / IEC 61158	Screened data, fieldbus and optical communication cable	Optical	12 fibre optical	OS2 12 fibre	Foil/braid screen or dielectric optical protection	LSZH, low smoke and flame retardant	Offshore automation, control network and telecom routes	SHF1 or LSZH communication sheath	OS2 optical attenuation and OTDR test reference	2 n