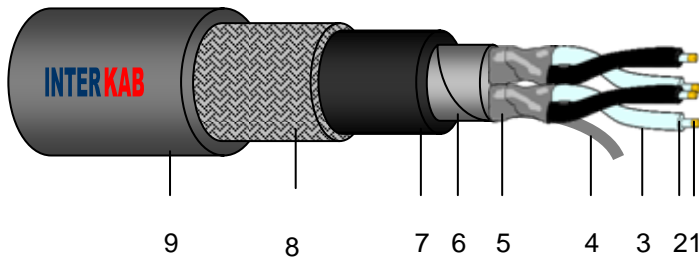


150 / 250v
Fire Resistant

Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Armoured Cables – Individually Screened



Applicable Standards:
BS 6883 / BS7917 / IEC 60092-359
BS7655
IEC 60331 part 3 (Category A, B & C)
IEC-60228
Stranded class 2 or flexible class 5
tinned annealed copper conductors to
BS6360

Application:	This range of cables is designed for use in fixed wiring in ships and offshore units, e.g. safety and emergency lighting, fire pumps, shut down systems, communication systems, gas detectors, and alarms. These cables are ideal for occupied areas including accommodation facilities, control rooms and computer suites.
(1) Conductor:	Tinned Stranded Copper Conductor to BS6360
(2) Fire Protection:	MICA Glass Fibre Tape
(3) Insulation:	EPR Complying with BS7655 GP4
(4) Drain Wire:	Tinned Copper drain wire
(5) Individual Screen:	Aluminium Mylar Tape Screen
(6) Collective Screen:	Aluminium Mylar Tape Screen
(7) Bedding:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UK00A type GM/GP) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UK00A type FM/FP)
(8) Armour:	Galvanised Steel Wire Braid to BS EN 10257-1
(9) Outer Sheath:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UK00A type GM/GP) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UK00A type FM/FP)
Conductor Identification:	Pairs: Black and White Multi-Pair: Numbered White & Black Pairs Triples: Black, White and Red Quads: Black, White, Red and Blue

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Cable	2x2x0.75	3x2x0.75	7x2x0.75	12x2x0.75	20x2x0.75	3x3x0.75	7x3x0.75	12x3x0.75	1x4x0.75	1x2x1.0	1x3x1.0	1x4x1.0
Stranding mm	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	32/0.20	32/0.20	32/0.20
Insulation Thickness mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thickness of Inner Sheath mm	1.2	1.2	1.4	1.6	2.1	1.3	1.5	1.9	1.2	1	1	1
Diameter over Inner Sheath (min/max) mm	9.1/10.9	12.8/15.6	16.9/19.9	22.0/25.8	33.2/35.2	14.8/17.2	19.9/23.3	30.7/32.7	9.3/11.3	8.1/9.9	8.7/10.7	10.5/12.5
Diameter of Armour/Braid mm	0.3	0.3	0.3	0.3	0.45	0.3	0.3	0.45	0.3	0.3	0.3	0.3
Diameter over Armour/Braid mm	14.5	15.5	19.7	25.8	35.5	17.2	22.9	33.9	11.6	10.3	11	13.1
Thickness of Outer Sheath mm	1.4	1.4	1.6	1.8	2.7	1.5	1.7	2.2	1.3	1.2	1.2	1.3
Overall Diameter (min/max) mm	12.8/14.8	17.1/20.1	21.3/25.1	27.9/31.5	38.1/42.1	18.8/22.0	25.0/28.2	36.5/40.5	13.1/16.0	11.7/14.3	12.2/15.0	14.9/16.9
Gland Size	O	A	B	C	D	B	C	C2	O	O	O	A
Weight kg/km	305	580	915	1420	2905	700	1180	2550	360	295	330	380
Bend Radius - xOD	8	8	8	8	8	8	8	8	8	8	8	8
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85	85	85	85
Short Circuit Rating, 1second - 250°C - A	100	100	100	100	100	100	100	100	100	100	100	100
Inductance/ Resistance - mH/W	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Capacitance - nF/KM	<110	<110	<110	<110	<110	<110	<110	<110	<140	<140	<110	<110
DC Resistance @ 20°C - OHMS/KM	25.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	20	20	26.7	26.7
DC Resistance @ 85°C - OHMS/KM	32.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	25.1	25.1	33.5	33.5
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue
UKOOA Codes (EVA)	GMX00 (Blue) GPX00 (Grey)	GMH00 (Blue) GPH00 (Grey)	GMJ00 (Blue) GPJ00 (Grey)	GMK00 (Blue) GPK00 (Grey)	GML00 (Blue) GPL00 (Grey)	GMS00 (Blue) GPS00 (Grey)	GMT00 (Blue) GPT00 (Grey)	GMU00 (Blue) GPU00 (Grey)	GMX00 (Blue) GPX00 (Grey)	GMF01 (Blue) GPF01 (Grey)	GMR01 (Blue) GPR01 (Grey)	GMX01 (Blue) GPX01 (Grey)
UKOOA Codes (CSP)	FMX00 (Blue) FPX00 (Grey)	FMH00 (Blue) FPH00 (Grey)	FMJ00 (Blue) FPJ00 (Grey)	FMK00 (Blue) FPK00 (Grey)	FML00 (Blue) FPL00 (Grey)	FMS00 (Blue) FPS00 (Grey)	FMT00 (Blue) FPT00 (Grey)	FMU00 (Blue) FPU00 (Grey)	FMX00 (Blue) FPX00 (Grey)	FMF01 (Blue) FPF01 (Grey)	FMR01 (Blue) FPR01 (Grey)	FMX01 (Blue) FPX01 (Grey)

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Cable	2x2x1.5	3x2x1.5	5x2x1.5	7x2x1.5	10x2x1.5	12x2x1.5	21x2x1.5	24x2x1.5	3x3x1.5	5x3x1.5	7x3x1.5	12x3x1.5
Stranding mm	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53	7/0.53
Insulation Thickness mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thickness of Inner Sheath mm	1.2	1.3	1.4	1.4	1.7	1.7	2.0	2.0	1.3	1.5	1.5	1.8
Diameter over Inner Sheath (min/max) mm	14.9/16.5	15.9/17.5	19.5/21.4	21.5/23.6	27.4/29.6	28.6/30.8	42.4/44.4	47.4/49.4	18.1/20.1	22.5/24.5	25.2/27.2	35.3/37.3
Diameter of Armour/Braid mm	0.3	0.3	0.3	0.3	0.3	0.45	0.45	0.45	0.3	0.3	0.3	0.45
Thickness of Outer Sheath mm	1.4	1.4	1.6	1.6	1.9	1.9	2.1	2.1	1.5	1.6	1.7	2.0
Overall Diameter (min/max) mm	19.3/21.5	20.4/22.8	24.2/26.7	26.5/29.1	33.6/36.7	34.8/37.9	50.6/52.6	55.8/57.8	23.5/25.5	28.0/30.0	31.1/33.1	42.9/44.9
Gland Size	B	B	C	C	C2	C2	D	E	B	C	C2	D
Weight kg/km	602	732	1031	1242	1877	2039	2300	2600	780	1100	1409	2301
Bend Radius - xOD	8	8	8	8	8	8	8	8	8	8	8	8
Conductor Temperature °C	85	85	85	85	85	85	85	85	85	85	85	85
Inductance/ Resistance – mH/W	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Capacitance – nF/KM	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110	<110
DC Resistance @ 20°C – OHMS/km	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
DC Resistance @ 85°C – OHMS/km	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue
UKOOA Codes (EVA)	GMX02 (Blue) GPX02 (Grey)	GMH02 (Blue) GPH02 (Grey)	-	GMJ02 (Blue) GPJ02 (Grey)	-	GMK02 (Blue) GPK02 (Grey)	-	-	GMS02 (Blue) GPS02 (Grey)	-	GMT02 (Blue) GPT02 (Grey)	GMU02 (Blue) GPU02 (Grey)
UKOOA Codes (CSP)	FMX02 (Blue) FPX02 (Grey)	FMH02 (Blue) FPH02 (Grey)	-	FMJ02 (Blue) FPJ02 (Grey)	-	FMK02 (Blue) FPK02 (Grey)	-	-	FMS02 (Blue) FPS02 (Grey)	-	FMT02 (Blue) FPT02 (Grey)	FMU02 (Blue) FPU02 (Grey)