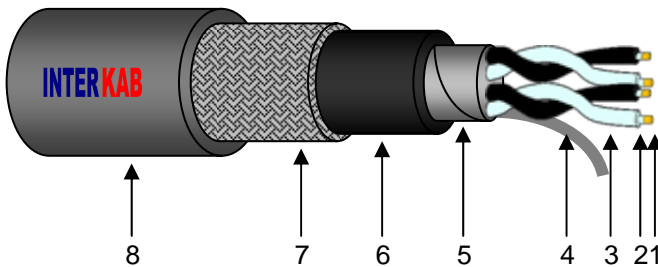


150 / 250v
Fire Resistant

Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Armoured Cables – Collectively 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
Individual Screen:	Collectively Screened only
(5) Collective Screen:	Aluminium Mylar Tape Screen
(6) Bedding:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type GL/GN) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type FL/FN)
(7) Armour:	Galvanised Steel Wire Braid to BS EN 10257-1
(8) Outer Sheath:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type GL/GN) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type FL/FN)
Conductor Identification:	Single Pair: White & Black Multi-Pair: Numbered White & Black Pairs Triples: White, Black and Red Numbered Triples

The legend will include the manufacturers name, voltage, BS6883, the number of pairs/triples and cross sectional area, cable sheath class (e.g. SW4), IEC60331 and UK00A code where applicable. The standard sheath colours are grey, blue or black, and other colours are available on request.

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Cable	2x2x0.75	3x2x0.75	7x2x0.75	12x2x0.75	20x2x0.75	3x3x0.75	7x3x0.75	12x3x0.75	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	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
Thickness of Inner Sheath mm	1.2	1.2	1.4	1.6	1.8	1.3	1.5	1.8	1.0	1.0	1.1
Diameter over Inner Sheath (min/max) mm	11.9/13.9	12.2/14.9	16.1/18.9	20.8/24.4	27.7/31.3	14.8/16.8	19.7/21.7	27.1/29.1	8.8/10.8	9.0/11.0	10.3/12.3
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
Diameter over Armour/Braid mm	14.5	14.8	18.7	24.0	31.5	16.8	21.7	29.4	-	-	-
Thickness of Outer Sheath mm	1.2	1.4	1.5	1.7	2.0	1.5	1.7	2.0	1.0	1.0	1.2
Overall Diameter (min/max) mm	16.1/18.1	16.4/19.2	20.2/23.8	25.9/29.3	33.2/37.4	18.8/21.2	23.8/26.8	31.6/35.6	13.0/15.0	13.3/15.3	14.3/16.3
Gland Size	A	A	B	C	C2	B	C	C2	O	O	A
Weight kg/km	390	520	780	1150	1900	520	870	1500	180	300	430
Bend Radius - xOD	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
Short Circuit Rating, 1second – 250°C - A	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
Capacitance – nF/KM	<110	<90	<90	<90	<90	<90	<90	<90	<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	18.6	18.6	18.6
DC Resistance @ 85°C – OHMS/km	32.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	23.7	23.7	23.7
Sheath Colour	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)	GLX00 (Blue) GNX00 (Grey)	GLH00 (Blue) GNH00 (Grey)	GLJ00 (Blue) GNJ00 (Grey)	GLK00 (Blue) GNK00 (Grey)	GLL00 (Blue) GNL00 (Grey)	GLS00 (Blue) GNS00 (Grey)	GLT00 (Blue) GNT00 (Grey)	GLU00 (Blue) GNU00 (Grey)	GLF01 (Blue) GNF01 (Grey)	GLR01 (Blue) GNR01 (Grey)	GLX01 (Blue) GNX01 (Grey)
UKOOA Codes (CSP)	FLX00 (Blue) FNX00 (Grey)	FLH00 (Blue) FNH00 (Grey)	FLJ00 (Blue) FNJ00 (Grey)	FLK00 (Blue) FNK00 (Grey)	FLL00 (Blue) FNL00 (Grey)	FLS00 (Blue) FNS00 (Grey)	FLT00 (Blue) FNT00 (Grey)	FLU00 (Blue) FNU00 (Grey)	FLF01 (Blue) FNF01 (Grey)	FLR01 (Blue) FNR01 (Grey)	FLX01 (Blue) FNX01 (Grey)

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Cable	2x2x1.5	3x2x1.5	5x2x1.5	7x2x1.5	10x2x1.5	12x2x1.5	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
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
Thickness of Inner Sheath mm	1.2	1.3	1.4	1.4	1.7	1.7	2.0	1.3	1.5	1.5	1.8
Diameter over Inner Sheath (min/max) mm	14.3/15.5	15.8/17.4	19.3/21.1	21.0/23.0	26.8/29.0	27.7/29.9	39.0/42.0	19.8/21.8	20.7/22.7	26.7/28.8	36.2/39.0
Diameter of Armour/Braid mm	0.3	0.3	0.3	0.3	0.3	0.45	0.45	0.3	0.3	0.3	0.3
Thickness of Outer Sheath mm	1.4	1.4	1.6	1.6	1.9	1.9	2.2	1.3	1.5	1.5	1.8
Overall Diameter (min/max) mm	18.4/20.0	20.1/26.6	24.0/30.5	25.7/32.6	32.0/39.2	33.7/40.8	45.8/49.7	24.3/31.0	26.5/28.5	31.5/38.7	42.4/50.1
Gland Size	A	C	C	C	C2	C2	D	C	C	C2	D
Weight kg/km	600	771	1045	1189	1678	1869	3225	979	1287	1594	2647
Bend Radius - xOD	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
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
Capacitance – nF/KM	<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
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
Sheath Colour	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)	GLX02 (Blue) GNX02 (Grey)	GLH02 (Blue) GNH02 (Grey)	-	GLJ02 (Blue) GNJ02 (Grey)	-	GLK02 (Blue) GNK02 (Grey)	-	GLS02 (Blue) GNS02 (Grey)	-	GLT02 (Blue) GNT02 (Grey)	GLU02 (Blue) GNU02 (Grey)
UKOOA Codes (CSP)	FLX02 (Blue) FNX02 (Grey)	FLH02 (Blue) FNH02 (Grey)	-	FLJ02 (Blue) FNJ02 (Grey)	-	FLK02 (Blue) FNK02 (Grey)	-	FLS02 (Blue) FNS02 (Grey)	-	FLT02 (Blue) FNT02 (Grey)	FLU02 (Blue) FNU02 (Grey)