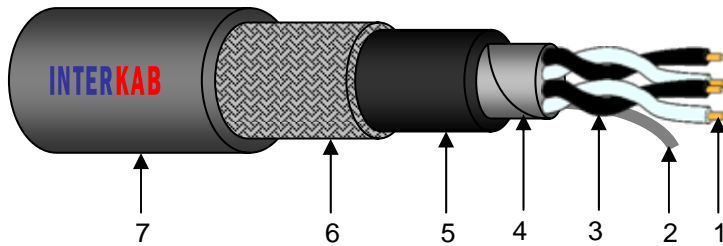


150 / 250v
Flame Retardant

Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Armoured Cables – Collectively Screened



Applicable Standards:
BS 6883 / IEC 60092-359
BS7655
IEC 60332 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
Fire Protection:	None
(2) Drain Wire:	Tinned Copper drain wire
(3) Insulation:	EPR Complying with BS7655 GP4
Individual Screen:	Collectively Screened only
(4) Collective Screen:	Aluminium Mylar Tape Screen
(5) Bedding:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type KG/KJ) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type JG/JJ)
(6) Armour:	Galvanised Steel Wire Braid to BS EN 10257-1
(7) Outer Sheath:	EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type KG/KJ) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type JG/JJ)
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), IEC60332 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	1x2x0.75	2x2x0.75	3x2x0.75	7x2x0.75	12x2x0.75	20x2x0.75	1x3x0.75 (Ind.Screen)	3x3x0.75	7x3x0.75
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
Insulation Thickness mm	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	1.2	1.4	1.6	1.8	1.0	1.3	1.5
Diameter over Inner Sheath (min/max) mm	7.6/9.6	11.6/13.6	12.6/14.5	16.6/18.7	21.7/24.2	27.3/30.1	7.9/9.9	14.2/16.2	19.2/21.2
Diameter of Armour/Braid mm	0.3	0.3	0.3	0.3	0.3	0.45	0.3	0.3	0.3
Thickness of Outer Sheath mm	1.25	1.4	1.4	1.7	1.7	2.0	1.25	1.2	1.4
Overall Diameter (min/max) mm	11.9/13.9	17.3/19.3	16.7/19.0	20.9/23.8	26.4/29.5	33.3/37.1	12.5/14.5	19.4/21.4	25.0/27.0
Gland Size	O	A	A	B	C	C2	O	B	C
Weight kg/km	200	385	468	706	1030	1662	285	680	1325
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Maximum LOOP self inductance mH/km	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860
Maximum Mutual Capacitance – pF/m	104	88	88	88	88	88	92	88	88
DC Resistance @ 20°C – OHMS/km	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
AC Resistance @ 90°C – OHMS/km	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue
UKOOA Codes (EVA)	KGf00 (Blue) KJf00 (Grey)	KGX00 (Blue) KJX00 (Grey)	KGH00 (Blue) KJH00 (Grey)	KGJ00 (Blue) KJJ00 (Grey)	KGK00 (Blue) KJK00 (Grey)	KGL00 (Blue) KJL00 (Grey)	KGR00 (Blue) KJR00 (Grey)	KGS00 (Blue) KJS00 (Grey)	KGT00 (Blue) KJT00 (Grey)
UKOOA Codes (CSP)	JGf00 (Blue) JJf00 (Grey)	JGX00 (Blue) JJX00 (Grey)	JGH00 (Blue) JJH00 (Grey)	JGJ00 (Blue) JJJ00 (Grey)	JGK00 (Blue) JJK00 (Grey)	JGL00 (Blue) JJL00 (Grey)	JGR00 (Blue) JJR00 (Grey)	JGS00 (Blue) JJS00 (Grey)	JGT00 (Blue) JJT00 (Grey)

150 / 250v
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Offshore Instrumentation Cables to BS6883 Specification

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Cable	12x3x0.75	1x2x1.0 (Ind.Screen)	1x3x1.0 (Ind.Screen)	1x4x1.0 (Ind.Screen)	1x2x1.5	2x2x1.5	3x2x1.5	5x2x1.5	7x2x1.5
Stranding mm	24/0.20	32/0.20	32/0.20	32/0.20	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
Thickness of Inner Sheath mm	1.7	1.0	1.1	1.1	1.1	1.2	1.3	1.4	1.4
Diameter over Inner Sheath (min/max) mm	26.1/28.1	8.2/10.2	8.7/10.7	10.0/12.0	8.7/9.8	12.8/14.0	14.4/16.0	17.5/19.1	19.0/23.7
Diameter of Armour/Braid mm	0.45	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Thickness of Outer Sheath mm	1.7	1.0	1.1	1.2	1.2	1.4	1.4	1.6	1.6
Overall Diameter (min/max) mm	33.6/35.6	12.4/14.4	13.0/15.0	14.0/16.0	12.7/14.3	16.4/18.0	18.8/20.8	22.2/24.6	23.7/26.2
Gland Size	C2	O	O	O	O	A	B	B	C
Weight kg/km	2106	180	300	180	297	505	593	826	929
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	21.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0
Maximum LOOP self inductance mH/km	0.860	0.819	0.819	0.819	0.778	0.778	0.778	0.778	0.778
Maximum Mutual Capacitance – pF/m	88	115	101	101	128	105	105	105	105
DC Resistance @ 20°C – OHMS/km	25.3	18.6	18.6	18.6	12.4	12.4	12.4	12.4	12.4
AC Resistance @ 90°C – OHMS/km	32.3	23.7	23.7	23.7	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
UKOOA Codes (EVA)	KGU00 (Blue) KJU00 (Grey)	KGF01 (Blue) KJF01 (Grey)	KGR01 (Blue) KJR01 (Grey)	KGX01 (Blue) KJX01 (Grey)	KGF02 (Blue) KJF02 (Grey)	KGX02 (Blue) KJX02 (Grey)	KGH02 (Blue) KJH02 (Grey)	-	KGJ02 (Blue) KJJ02 (Grey)
UKOOA Codes (CSP)	JGU00 (Blue) JJU00 (Grey)	JGF01 (Blue) JJF01 (Grey)	JGR01 (Blue) JJR01 (Grey)	JGX01 (Blue) JJX01 (Grey)	JGF02 (Blue) JJF02 (Grey)	JGX02 (Blue) JJX02 (Grey)	JGH02 (Blue) JJH02 (Grey)	-	JGJ02 (Blue) JJJ02 (Grey)

150 / 250v
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Cable	10x2x1.5	12x2x1.5	20x2x1.5	1x3x1.5	3x3x1.5	5x3x1.5	7x3x1.5	12x3x1.5	1x2x2.5
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	7/0.67
Insulation Thickness mm	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thickness of Inner Sheath mm	1.7	1.7	1.9	1.1	1.3	1.5	1.5	1.8	1.1
Diameter over Inner Sheath (min/max) mm	24.2/26.4	25.0/27.2	31.5/34.2	9.2/10.3	17.9/19.6	19.0/21.0	24.1/26.3	32.6/35.4	9.8/11.8
Diameter of Armour/Braid mm	0.3	0.45	0.45	0.3	0.3	0.3	0.3	0.45	0.3
Thickness of Outer Sheath mm	1.9	1.9	2.1	1.2	1.5	1.6	1.7	2.0	1.2
Overall Diameter (min/max) mm	29.5/32.6	31.0/34.2	38.1/41.7	13.2/14.8	22.4/24.9	25.0/27.0	29.0/32.0	38.9/42.5	14.1/16.1
Gland Size	C	C2	D	O	B	C	C	D	A
Weight kg/km	1343	1510	2287	304	760	928	1262	2148	320
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	58.0
Maximum LOOP self inductance mH/km	0.778	0.778	0.778	0.778	0.778	0.778	0.778	0.778	0.731
Maximum Mutual Capacitance – pF/m	105	105	105	111	105	105	105	105	148
DC Resistance @ 20°C – OHMS/km	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	7.71
AC Resistance @ 90°C – OHMS/km	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	9.83
Sheath Colour	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue	Grey/Blue
UKOOA Codes (EVA)	-	KGK02 (Blue) KJK02 (Grey)	KGL02 (Blue) KJL02 (Grey)	KGR02 (Blue) KJR02 (Grey)	KGS02 (Blue) KJS02 (Grey)	-	KGT02 (Blue) KJT02 (Grey)	KGU02 (Blue) KJU02 (Grey)	KGF03 (Blue) KJF03 (Grey)
UKOOA Codes (CSP)	-	JGK02 (Blue) JKK02 (Grey)	JGL02 (Blue) JLL02 (Grey)	JGR02 (Blue) JJR02 (Grey)	JGS02 (Blue) JJS02 (Grey)	-	JGT02 (Blue) JTT02 (Grey)	JGU02 (Blue) JJU02 (Grey)	JGF03 (Blue) JJF03 (Grey)