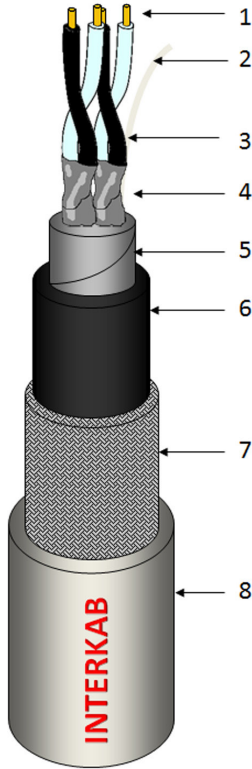


150/250V
Flame Retardant

Offshore Instrumentation Cables to BS6883

Pairs/Triples/Quads Armoured
Cables – Individually Screened:



Applicable Standards

BS6883 / 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

Conductor Identification

Single Pair: White & Black
Multi-Pair: Numbered White & Black Pairs
Triples: White, Black and Red
Quads: Black, White, Red and Blue

Note: picture is for illustration purposes only

Construction	Specifications
(1) Conductor:	Tinned Stranded Copper Conductor to BS6360
(2) Drain Wire	Tinned Copper drain wire
(3) Insulation:	EPR Complying with BS7655 GP4
(4) Individual Screen:	Aluminium Mylar Tape Screen
(5) Collective Screen:	Aluminium Mylar Tape Screen
(6) 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)
(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 KG/KJ) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type JG/JJ)

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Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Individually Screened Armoured Cables - Table 1/3

Cable	1x2x0.75	2x2x0.75	3x2x0.75	7x2x0.75	12x2x0.75	20x2x0.75	1x3x0.75	3x3x0.75	7x3x0.75
Stranding mm	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	24/0.20	7/0.53	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	1.3	1.5
Diameter over Inner Sheath (min/max) mm	7.6/9.6	8.6/10.4	12.6/14.5	16.9/19.0	21.3/23.7	27.8/30.7	7.9/9.9	14.2/16.2	19.7/22.1
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	1.6	1.8	2	2	1.5	1.7
Overall Diameter (min/max) mm	11.9/13.9	12.4/14.3	16.7/19.0	21.4/24.3	26.1/29.2	33.8/37.8	12.5/14.5	18.6/20.9	24.4/27.4
Gland Size	O	O	A	B	C	C2	O	B	C
Weight kg/km	200	287	549	919	1380	1680	285	699	1172
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	21	21	21	21	21	21	21	21	21
Maximum LOOP self inductance mH/km	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Maximum Mutual Capacitance – pF/m	104	104	104	104	104	104	92	92	92
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)	KHF00	KHX00	KHH00	KHJ00	KHK00	KHL00	KHR00	KHS00	KHT00
	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)
	KKF00	KKX00	KKH00	KKJ00	KKK00	KKL00	KKR00	KKS00	KKT00
UKOOA Codes (CSP)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)
	JHF00	JHX00	JHH00	JHJ00	JHK00	JHL00	JHR00	JHS00	JHT00
	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)
UKOOA Codes (CSP)	JKF00	JKX00	JKH00	JKJ00	JKK00	JKL00	JKR00	JKS00	JKT00
	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)

Pairs/Triples/Quads Individually Screened Armoured Cables - Table 2/3

Cable	12x3x0.75	1x2x1.0	1x3x1.0	1x4x1.0	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	1.1	1.1	1.1	1.1	1.3	1.4	1.5
Diameter over Inner Sheath (min/max) mm	24.4/27.1	8.2/10.2	8.7/10.7	9.0/11.0	8.9/9.9	14.6/16.1	15.2/16.8	18.8/20.5	20.9/23.0
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	2	1	1.1	1.2	1.2	1.2	1.5	1.6	1.7
Overall Diameter (min/max) mm	30.4/34.1	12.4/14.4	13.0/15.0	14.0/16.0	13.1/15.1	19.0/21.1	19.7/22.1	23.5/26.0	25.9/28.5
Gland Size	C2	O	O	O	O	B	B	B	C
Weight kg/km	1982	262	273	300	260	591	697	983	1181
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	21	27	27	27	38	38	38	38	38
Maximum LOOP self inductance mH/km	0.86	0.819	0.819	0.819	0.778	0.778	0.778	0.778	0.778
Maximum Mutual Capacitance – pF/m	92	115	101	101	128	128	128	128	128
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)	KHU00	KHF01	KHR01	KHX01	KHF02	KHX02	KHH02		KHJ02
	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)		(Blue)
	KKU00	KKF01	KKR01	KKX01	KKF02	KKX02	KKH02		KKJ02
UKOOA Codes (CSP)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	
	JHU00	JHF01	JHR01	JHX01	JHF02	JHX02	JHH02	JHJ02	
	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)	
UKOOA Codes (CSP)	JKU00	JKF01	JKR01	JKX01	JKF02	JKX02	JKH02	JKJ02	
	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	(Grey)	

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Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Individually Screened Armoured Cables - Table 3/3

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	1.8	2	1.1	1.4	1.5	1.6	1.9	1.1
Diameter over Inner Sheath (min/max) mm	25.6/27.8	27.2/29.4	36.2/39.0	9.4/11.4	16.4/18.4	20.2/22.2	22.3/24.3	30.6/32.6	9.8/11.8
Diameter of Armour/Braid mm	0.45	0.45	0.45	0.3	0.3	0.3	0.3	0.45	0.3
Thickness of Outer Sheath mm	2	2	2.3	1.2	1.5	1.7	1.8	2.1	1.2
Overall Diameter (min/max) mm	31.8/35.0	33.4/36.5	42.9/46.8	13.8/15.8	21.8/23.8	25.9/27.9	28.2/30.2	38.1/40.1	14.1/16.1
Gland Size	C2	C2	D	O	B	C	C	C2	A
Weight kg/km	1323	1907	2250	331	780	1100	1409	2301	320
Conductor Temperature - °C	85	85	85	85	85	85	85	85	85
Maximum L/R ratio	38	38	38	38	38	38	38	38	58
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	128	128	128	111	111	111	111	111	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)	-	KHK02	KHL02	KHR02	KHS02	-	KHT02	KHU02	KHF03
		(Blue)	(Blue)	(Blue)	(Blue)		(Blue)	(Blue)	(Blue)
		KKK02	KKL02	KKR02	KKS02		KKT02	KKU02	KKF03
		(Grey)	(Grey)	(Grey)	(Grey)		(Grey)	(Grey)	(Grey)
UKOOA Codes (CSP)	-	JHK02	JHL02	JHR02	JHS02	-	JHT02	JHU02	JHF03
		(Blue)	(Blue)	(Blue)	(Blue)		(Blue)	(Blue)	(Blue)
		JKK02	JKL02	JKR02	JKS02		JKT02	JKU02	JKF03
		(Grey)	(Grey)	(Grey)	(Grey)		(Grey)	(Grey)	(Grey)