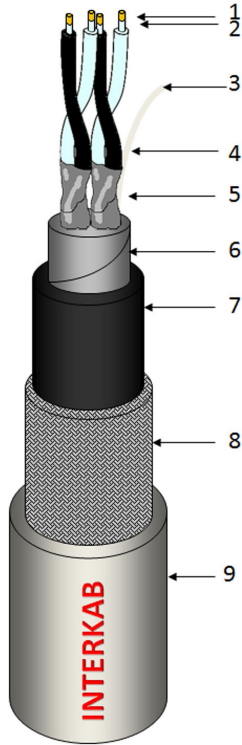


150/250 V  
Fire Resistant

## Offshore Instrumentation Cables to BS6883

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.

### Conductor Identification

Pairs: Black and White  
Multi-Pair: Numbered White & Black Pairs  
Triples: Black, White 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) Fire Protection:	Mica Glass Tape
(3) Drain Wire:	Tinned Copper drain wire
(4) Insulation:	EPR Complying with BS7655 GP4
(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 (UKOOA type GM/GP) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA 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 (UKOOA type GM/GP) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type FM/FP)

## 150/250 V Fire Resistant Offshore Instrumentation Cables to BS6883 Specification

**Pairs/Triples/Quads Individually Screened Armoured Cables - Table 1/2**

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, Isecond - 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)	GMH00 (Blue)	GMJ00 (Blue)	GMK00 (Blue)	GML00	GMS00	GMT00 (Blue)	GMU00	GMX00	GMF01	GMR01	GMX01
	GPX00 (Grey)	GPH00 (Grey)	GPJ00	GPK00	(Blue)	(Blue)	GPT00	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)
			(Grey)	(Grey)	GPL00	GPS00	(Grey)	GPU00	GPX00	GPF01	GPR01	GPX01
					(Grey)	(Grey)		(Grey)	(Grey)	(Grey)	(Grey)	(Grey)
UKOOA Codes (CSP)	FMX00 (Blue)	FMH00 (Blue)	FMJ00 (Blue)	FMK00 (Blue)	FML00	FMS00	FMT00 (Blue)	FMU00	FMX00	FMF01	FMR01	FMX01
	FPX00 (Grey)	FPH00 (Grey)	FPJ00	FPK00	(Blue)	(Blue)	FPT00	(Blue)	(Blue)	(Blue)	(Blue)	(Blue)
			(Grey)	(Grey)	FPL00	FPS00	(Grey)	FPU00	FPX00	FPF01	FPR01	FPX01
					(Grey)	(Grey)		(Grey)	(Grey)	(Grey)	(Grey)	(Grey)

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

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	2	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
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	GMH02	-	GMJ02	-	GMK02	-	-	GMS02	-	GMT02	GMU02
	(Blue)	(Blue)		(Blue)		(Blue)			(Blue)		(Blue)	(Blue)
	GPX02 (Grey)	GPH02		GPJ02		GPK02			GPS02		GPT02	GPU02
		(Grey)		(Grey)		(Grey)			(Grey)		(Grey)	(Grey)
UKOOA Codes (CSP)	FMX02	FMH02	-	FMJ02	-	FMK02	-	-	FMS02	-	FMT02	FMU02
	(Blue)	(Blue)		(Blue)		(Blue)			(Blue)		(Blue)	(Blue)
	FPX02 (Grey)	FPH02		FPJ02		FPK02			FPS02		FPT02	FPU02
		(Grey)		(Grey)		(Grey)			(Grey)		(Grey)	(Grey)