

IEC60332 (FLEXIBLE) INSTRUMENTATION FLAME RETARDANT / UKOOA INDIVIDUALLY SCREENED

Flexible Tinned annealed copper conductors/EPR (Ethylene Propylene Rubber) Insulated/Individually screened (including a tinned copper drain wire)/ZHAL/GSWB(Galvanised Steel Wire Braid)/ZHAL 150/250 Volts grade to BS6883 & IEC60332 Part 3 Cat A where applicable. Standard sheath colours: Light Blue (IS) and Grey (Non IS). ZHAL: SW4 (0.5% HCL)

Operating Temperature: Maximum 85°C, Minimum bending -25°C
Oxygen Index 32%, HCL 5%

Conductor stranding: Class 5 flexible conductors.

Minimum bending radius: 8 x overall diameter.

Conductor identification: Pairs: 1 Black, 1 White - Each Pair Numbered
Triples: 1 Black, 1 White, 1 Red - Each Triple Numbered
Quads: 1 Black, 1 White, 1 Red, 1 Blue - Each Quad Numbered.

Generally manufactured in compliance with UKOOA (UK Offshore Operators Association) guidelines for Instrumentation cables for Fixed & Mobile Production Facilities.

For further technical information, refer to Table BEC111-114



Conductor Size (sqmm)	INDIVIDUALLY SCREENED PAIRS				
	Configuration	1 Pair	3 Pair	7 Pair	12 Pair
0.75 & 1.00 (single pair)	Conductor Size mm ²	1.00	0.75	0.75	0.75
	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.00	1.20	1.40	1.60
	Min Under Armour Diameter (mm)	7.7	13.0	18.1	23.2
	Max Under Armour Diameter (mm)	8.9	14.4	19.7	25.2
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75
	Nom Diameter Over Braid (mm)	9.72	15.1	20.3	25.6
	Min Sheath Thickness (mm)	1.20	1.40	1.60	1.80
	Min Overall Diameter (mm)	11.8	17.5	22.9	28.6
	Max Overall Diameter (mm)	13.2	19.1	24.9	30.6
	Weight Kg/Km (approx)	260	525	855	1265
	BATT Part No Grey	67600	67206		67402
	UKOOA Part No Grey	KKF01	KKH00		KKK00
	BATT Part No Blue	67595	67203	67196	67201
UKOOA Part No Blue	KHF01	KHH00	KHJ00	KHK00	

Conductor Size (sqmm)	INDIVIDUALLY SCREENED TRIPLES				
	Configuration	1 Triple	3 Triples	7 Triples	12 Triples
0.75	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.00	1.30	1.50	1.70
	Min Under Armour Diameter (mm)	7.8	15.8	21.4	29.0
	Max Under Armour Diameter (mm)	9.0	17.4	23.4	31.4
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	9.8	18.0	23.8	32.3
	Min Sheath Thickness (mm)	1.20	1.50	1.70	2.00
	Min Overall Diameter (mm)	11.9	20.5	26.7	35.6
	Max Overall Diameter (mm)	13.3	22.5	28.7	38.0
	Weight Kg/Km (approx)	265	699	1168	1977
	BATT Part No Grey	67399			
	UKOOA Part No Grey				
	BATT Part No Blue			67644	
	UKOOA Part No Blue			KHT00	