

IEC60331 (FLEXIBLE) INSTRUMENTATION FIRE RESISTANT IAM/ UKOOA

Flexible Tinned annealed copper conductors/Mica Glass Tape/EPR (Ethylene Propylene Rubber) Insulated /individual aluminium mylar screen (including a tinned copper drain wire)/ZHAL/GSWB (Galvanised Steel Wire Braid)/ZHAL150/250 volts grade to BS6883, IEC60331 & IEC60332 Part 3 Cat A where applicable. Standard sheath colours: Light Blue (IS) and Grey (Non IS). ZHAL: SW4 (0.5% HCL).

CONDUCTOR SIZE SQ.MM	* 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)	8.2	13.9	18.9	24.8
	Max Under Armour Diameter (mm)	9.4	15.3	20.5	26.8
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75
	Nom Diameter Over Braid (mm)	10.2	16.0	21.1	27.2
	Min Sheath Thickness (mm)	1.20	1.40	1.60	1.80
	Min Overall Diameter (mm)	12.3	18.4	23.7	30.1
	Max Overall Diameter (mm)	13.7	20.0	25.7	32.5
	Weight Kg/Km (approx)	286	604	981	1484
	BATT Part No Grey	67594	67170	67380	
	UKOOA Part No Grey	GPF01	GPH00	GPJ00	
	BATT Part No Blue	67539	67171	67339	67179
UKOOA Part No Blue	GMF01	GMH00	GMJ00	GMK00	

CONDUCTOR SIZE SQ.MM	* 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)	1.10	1.30	1.50	1.70
	Min Under Armour Diameter (mm)	9.0	17.6	23.9	32.5
	Max Under Armour Diameter (mm)	10.2	19.2	25.9	34.9
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	11.0	19.8	26.3	35.9
	Min Sheath Thickness (mm)	1.20	1.50	1.70	2.00
	Min Overall Diameter (mm)	13.1	22.3	29.0	39.0
	Max Overall Diameter (mm)	14.5	24.3	31.4	41.8
	Weight Kg/Km (approx)	296	782	1313	2247
	BATT Part No Grey			67641	67642
	UKOOA Part No Grey			GPT00	GPU00
	BATT Part No Blue		67636	67637	67638
	UKOOA Part No Blue		GMS00	GMT00	GMU00

CONDUCTOR SIZE SQ.MM	* INDIVIDUALLY SCREENED QUADS			
	Configuration	1 Quad	3 Quads	7 Quads
0.75	Min Insulation Thickness (mm)	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.10	1.30	1.50
	Min Under Armour Diameter (mm)	10.1	18.4	24.5
	Max Under Armour Diameter (mm)	11.5	20.0	26.8
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75
	Nom Diameter Over Braid (mm)	12.8	21.3	27.3
	Min Sheath Thickness (mm)	1.20	1.50	1.70
	Min Overall Diameter (mm)	14.3	23.0	30.0
	Max Overall Diameter (mm)	15.7	25.0	32.0
	Weight Kg/Km (approx)	360	940	1514

- Operating Temperature:** Maximum 85°C, Minimum bending -25°C **Low Smoke.** 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.

For further technical information, refer to Table BEC111

