

IEC60331 (FLEXIBLE) INSTRUMENTATION FIRE RESISTANT / UKOOA

Flexible Tinned annealed copper conductors/Mica Glass Tape/EPR (Ethylene Propylene Rubber) Insulated /Screened* (including a tinned copper drain wire)/ZHAL/GSWB (Galvanised Steel Wire Braid/ZHAL150/250 volts grade to BS6883, IEC331 & IEC332 Part 3 Cat A where applicable. Standard sheath colours: Light Blue (IS) and Grey (Non IS). ZHAL: SW4 (0.5% HCL). (* As applicable.)

CONDUCTOR SIZE SQ.MM	Configuration	* COLLECTIVELY SCREENED PAIRS						
		1 Pair	3 Pair	7 Pair	12 Pair	20 Pair	27 Pair	37 Pair
0.75	Min Insulation Thickness (mm)	For Single	0.80	0.80	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	pair cables	1.20	1.40	1.60	1.80	1.90	2.10
	Min Under Armour Diameter (mm)	refer to	13.8	18.5	24.1	30.3	34.6	39.0
	Max Under Armour Diameter (mm)	Individually	15.2	20.1	26.1	32.7	37.0	41.8
	Nom Braid Armour Thickness (mm)	screened	0.75	0.75	0.75	1.13	1.13	1.13
	Nom Diameter Over Braid (mm)	table	15.9	20.7	26.5	33.7	37.9	42.6
	Min Sheath Thickness (mm)	shown	1.40	1.50	1.70	2.00	2.20	2.30
	Min Overall Diameter (mm)	below.	18.3	23.1	29.1	37.0	41.5	46.3
	Max Overall Diameter (mm)		19.9	25.1	31.5	39.4	44.3	49.1
Weight Kg/Km (approx)		527	784	1151	1665	2321	2905	

CONDUCTOR SIZE SQ.MM	Configuration	* INDIVIDUALLY SCREENED PAIRS			
		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

CONDUCTOR SIZE SQ.MM	Configuration	* INDIVIDUALLY SCREENED TRIPLES			
		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

CONDUCTOR SIZE SQ.MM	Configuration	* INDIVIDUALLY SCREENED QUADS		
		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