

IEC60331 INSTRUMENTATION FIRE RESISTANT (STRANDED)

Stranded 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)
/ZHAL 150/250 volts grade to BS6883, IEC331 & IEC332 Part 3 Cat A where applicable.
Standard Colours: Black,ZHAL: SW4 (0.5% HCL)

CONDUCTOR SIZE SQ.MM	* COLLECTIVELY SCREENED TRIPLES				
	Configuration	3 Triple	5 Triples	7 Triples	12 Triples
1.00	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.30	1.40	1.50	1.70
	Min Under Armour Diameter (mm)	18.4	22.4	24.8	33.4
	Max Under Armour Diameter (mm)	20.0	24.4	26.8	35.8
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	20.6	24.8	27.2	36.8
	Min Sheath Thickness (mm)	1.50	1.60	1.70	2.00
	Min Overall Diameter (mm)	23.1	27.4	29.9	39.9
	Max Overall Diameter (mm)	25.1	29.4	32.3	42.7
	Weight Kg/Km (approx)	739	1070	1212	2065

CONDUCTOR SIZE SQ.MM	* COLLECTIVELY SCREENED TRIPLES				
	Configuration	3 Triples	5 Triples	7 Triples	12 Triples
1.5	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.30	1.50	1.50	1.80
	Min Under Armour Diameter (mm)	19.5	24.2	26.5	36.1
	Max Under Armour Diameter (mm)	21.5	26.2	28.5	38.5
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	21.9	26.6	28.9	39.4
	Min Sheath Thickness (mm)	1.50	1.60	1.70	2.00
	Min Overall Diameter (mm)	24.4	29.0	31.6	42.6
	Max Overall Diameter (mm)	26.4	31.4	34.0	45.4
	Weight Kg/Km (approx)	844	1260	1396	2373

CONDUCTOR SIZE SQ.MM	* INDIVIDUALLY SCREENED TRIPLES					
	Configuration	1 Triple	3 Triples	5 Triples	7 Triples	12 Triples
1.00	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.10	1.30	1.50	1.50	1.80
	Min Under Armour Diameter (mm)	9.0	18.7	23.1	25.4	34.7
	Max Under Armour Diameter (mm)	10.2	20.3	25.1	27.4	37.1
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	11.0	20.9	25.5	27.8	38.0
	Min Sheath Thickness (mm)	1.20	1.50	1.60	1.70	2.00
	Min Overall Diameter (mm)	13.1	23.3	28.1	30.5	41.2
	Max Overall Diameter (mm)	14.5	25.3	30.1	32.9	44.0
	Weight Kg/Km (approx)	301	864	1239	1465	2528

CONDUCTOR SIZE SQ.MM	* INDIVIDUALLY SCREENED TRIPLES					
	Configuration	1 Triple	3 Triples	5 Triples	7 Triples	12 Triples
1.5	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.10	1.40	1.50	1.60	1.90
	Min Under Armour Diameter (mm)	9.5	20.0	24.6	27.3	37.3
	Max Under Armour Diameter (mm)	10.9	22.0	26.6	29.3	39.7
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	11.6	22.4	27.0	29.7	40.7
	Min Sheath Thickness (mm)	1.20	1.50	1.70	1.80	2.10
	Min Overall Diameter (mm)	13.7	24.8	29.7	32.6	44.0
	Max Overall Diameter (mm)	15.1	26.8	32.1	35.0	46.8
	Weight Kg/Km (approx)	329	992	1442	1700	2876