

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 PAIRS					
	Configuration	1 Pair	2 Pair	5 Pair	10 Pair	20 Pair
1.00	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.00	1.20	1.30	1.60	1.80
	Min Under Armour Diameter (mm)	8.3	13.7	17.7	24.7	32.2
	Max Under Armour Diameter (mm)	9.5	15.1	19.3	26.7	34.6
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	10.3	15.8	19.9	27.0	35.6
	Min Sheath Thickness (mm)	1.20	1.40	1.50	1.80	2.10
	Min Overall Diameter (mm)	12.4	18.2	22.4	30.0	38.9
	Max Overall Diameter (mm)	13.8	19.8	24.4	32.4	41.7
	Weight Kg/Km (approx)	291	510	747	1259	2224

CONDUCTOR SIZE SQ.MM	* COLLECTIVELY SCREENED PAIRS					
	Configuration	1 Pair	2 Pair	5 Pair	10 Pair	20 Pair
1.5	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.10	1.20	1.40	1.70	1.90
	Min Under Armour Diameter (mm)	9.0	14.5	19.1	26.6	34.7
	Max Under Armour Diameter (mm)	10.2	16.1	20.7	28.6	37.1
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	11.0	16.7	21.3	29.0	38.0
	Min Sheath Thickness (mm)	1.20	1.40	1.60	1.90	2.20
	Min Overall Diameter (mm)	13.1	19.1	24.0	32.1	41.6
	Max Overall Diameter (mm)	14.5	20.7	26.0	34.5	44.4
	Weight Kg/Km (approx)	318	558	899	1482	2625

CONDUCTOR SIZE SQ.MM	* INDIVIDUALLY SCREENED PAIRS				
	Configuration	2 Pair	5 Pair	10 Pair	20 Pair
1.00	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.20	1.40	1.70	1.90
	Min Under Armour Diameter (mm)	13.8	18.2	25.6	33.5
	Max Under Armour Diameter (mm)	15.2	19.8	27.6	35.9
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	15.9	20.4	28.0	36.9
	Min Sheath Thickness (mm)	1.40	1.50	1.90	2.20
	Min Overall Diameter (mm)	18.3	22.9	31.1	40.4
	Max Overall Diameter (mm)	19.9	24.9	33.5	43.2
	Weight Kg/Km (approx)	559	897	1573	2862

CONDUCTOR SIZE SQ.MM	* INDIVIDUALLY SCREENED PAIRS				
	Configuration	2 Pair	5 Pair	10 Pair	20 Pair
1.5	Min Insulation Thickness (mm)	0.80	0.80	0.80	0.80
	Min Bedding Thickness (mm)	1.30	1.50	1.70	2.00
	Min Under Armour Diameter (mm)	14.8	21.3	27.3	36.0
	Max Under Armour Diameter (mm)	16.4	23.3	29.3	38.4
	Nom Braid Armour Thickness (mm)	0.75	0.75	1.13	1.13
	Nom Diameter Over Braid (mm)	17.0	23.8	30.5	39.4
	Min Sheath Thickness (mm)	1.40	1.70	2.00	2.30
	Min Overall Diameter (mm)	19.2	26.6	33.7	43.1
	Max Overall Diameter (mm)	21.2	28.6	36.1	45.9
	Weight Kg/Km (approx)	616	1247	1880	3227

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