

IEC60332 INSTRUMENTATION FLAME RETARDANT (STRANDED)

Stranded tinned annealed copper conductors/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 & IEC60332 Part 3 Cat A where applicable.

Standard sheath colour: Black. (*As applicable) 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)	7.8	12.4	15.9	22.1	28.9
	Max Under Armour Diameter (mm)	8.9	13.7	17.4	24.0	30.8
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	9.8	14.5	18.1	24.5	32.0
	Min Sheath Thickness (mm)	1.20	1.40	1.50	1.80	2.10
	Min Overall Diameter (mm)	11.9	16.9	20.6	27.6	35.6
	Max Overall Diameter (mm)	13.2	18.4	22.5	29.5	37.9
	Weight Kg/Km (approx)	271	460	686	1140	1925

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)	8.5	13.3	17.3	24.1	31.3
	Max Under Armour Diameter (mm)	9.7	14.6	18.8	26.0	33.6
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	10.5	15.4	19.5	26.4	34.6
	Min Sheath Thickness (mm)	1.20	1.40	1.60	1.90	2.20
	Min Overall Diameter (mm)	12.6	17.8	22.2	29.6	38.3
	Max Overall Diameter (mm)	14.0	19.3	24.1	31.9	40.6
	Weight Kg/Km (approx)	306	514	810	1354	2290

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	1.50	1.70	1.90
	Min Under Armour Diameter (mm)	13.3	17.4	23.7	33.3
	Max Under Armour Diameter (mm)	14.6	18.9	25.6	35.6
	Nom Braid Armour Thickness (mm)	0.75	0.75	0.75	1.13
	Nom Diameter Over Braid (mm)	15.4	19.6	26.1	36.6
	Min Sheath Thickness (mm)	1.40	1.50	1.90	2.20
	Min Overall Diameter (mm)	17.8	22.0	29.2	40.2
	Max Overall Diameter (mm)	19.3	23.9	31.5	42.9
	Weight Kg/Km (approx)	530	850	1450	2650

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	1.40	1.70	2.00
	Min Under Armour Diameter (mm)	14.4	18.7	25.5	36.0
	Max Under Armour Diameter (mm)	15.9	20.2	27.4	38.3
	Nom Braid Armour Thickness (mm)	0.75	0.75	1.13	1.13
	Nom Diameter Over Braid (mm)	16.6	20.9	28.6	39.4
	Min Sheath Thickness (mm)	1.40	1.60	2.00	2.30
	Min Overall Diameter (mm)	19.0	23.5	31.9	43.1
	Max Overall Diameter (mm)	20.5	25.4	34.2	45.8
	Weight Kg/Km (approx)	601	992	1750	3070

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Telephone: +44 (0)121 508 6890

Fax: +44 (0)121 508 6891

Web: www.cablesbritain.com

Email: sales@cablesbritain.com