

IEC60331 INSTRUMENTATION FIRE RESISTANT CAM (STRANDED)

Stranded tinned annealed copper conductors (class 2)/Mica Glass Tape/EPR (Ethylene Propylene Rubber) Insulated /Collective Aluminium mylar screen (including a tinned copper drain wire)/ZHAL/GSWB (Galvanised Steel Wire Braid)/ZHAL 150/250 volts grade to BS6883, IEC60331 & IEC60332 Part 3 Cat A where applicable. Standard Colours: Black, ZHAL: SW4 (0.5% HCL)

Conductor Identification: Pairs - 1 Black, 1 White - Each Pair Numbered
 Triples: 1 Black, 1 White, 1 Red - Each Triple Numbered

Operating Temperature: Maximum 85°C, Minimum bending -25°C Oxygen Index 32%, HCL 5%

Minimum bending radius: 8 x Overall diameter **Current rating** information refer to Table BEC111



CONDUCTOR SIZE SQ.MM	Configuration	* COLLECTIVELY SCREENED PAIRS				
		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	Configuration	* COLLECTIVELY SCREENED PAIRS				
		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
	BATT Part No Black	67405	67670	67745	67056	67407
	BATT Part No Blue	67715	67149	67779	67406	67075

CONDUCTOR SIZE SQ.MM	Configuration	* COLLECTIVELY SCREENED TRIPLES			
		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	Configuration	* COLLECTIVELY SCREENED TRIPLES			
		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