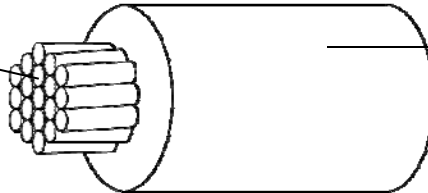


SINGLE CORE, ELECTRICAL, TIN COATED COPPER, POLYOLEFIN INSULATED WIRE,  
150°C, 600 VOLT

The complete requirements for procuring the wire described herein shall consist of this document

**Conductor -**  
Tin Plated Copper.  
mm<sup>2</sup> sizes  
IEC 228 Class 6



**Insulation -**  
Fire Retardant Flexible Polyolefin  
Colour as per Page 2  
(Thermorad)

AWG sizes  
Flexible, Rope stranded.

Cable Size (mm <sup>2</sup> )/AWG Part number see page 2	CONDUCTOR						INSULATION				Maximum Weight (kg/km)
	Number of Strands	Max Strand Dia. (mm)	Diameter (mm)		Maximum Resistance @20°C (Ω/km)	Min Wall (mm)	Diameter (mm)				
			Min	Max			Lower Spec Limit	Target	Upper Spec Limit		
mm <sup>2</sup>	AWG										
1.5		85	0.16	1.40	1.70	13.70	0.55	2.80	3.00	3.20	24
2.5		7x20	0.16	2.20	2.60	8.21	0.57	3.70	3.90	4.10	36
4.0		7x33	0.16	2.60	3.00	5.09	0.62	4.25	4.50	4.75	58
6.0		7x27	0.21	3.30	3.80	3.39	0.62	4.95	5.20	5.45	77
	8 AWG	19x35	0.13	3.90	4.40	2.30	0.54	5.35	5.65	5.95	100
10.0		19x17	0.21	4.30	4.80	1.95	0.63	5.90	6.20	6.50	122
16.0		19x27	0.21	5.20	5.80	1.24	0.75	7.10	7.40	7.70	187
25.0		37x21	0.21	6.90	7.70	0.795	0.80	9.00	9.30	9.60	275
35.0		37x30	0.21	8.10	9.00	0.565	0.82	10.30	10.60	10.90	389
50.0		37x19	0.31	9.60	10.70	0.393	0.93	12.10	12.45	12.80	542
70.0		37x27	0.31	11.40	12.60	0.277	1.03	14.20	14.55	14.90	780
95.0		37x36	0.31	13.30	14.80	0.210	1.23	16.60	17.00	17.40	1020
120.0		37x46	0.31	15.00	17.50	0.165	1.40	18.70	19.40	20.20	1420

ADDITIONAL REQUIREMENTS:

Insulation Flaws: Routine Spark Test to issue in effect of BS5099

Conductor size (mm <sup>2</sup> )	Test voltage	
	H.F. (kV)	Impulse (kV)
1.5 - 16mm <sup>2</sup>	7	9
25 - 50mm <sup>2</sup>	8	11
70 - 95mm <sup>2</sup>	10	13
120mm <sup>2</sup>	11	15

PERFORMANCE REQUIREMENTS:

Shall be tested to the issue in effect of WSD 955

Shall meet the requirements of the issue in effect of VG 95218 Part 20 Specification for Type G cables.

JACKET MARKING:

The mark shall be:

e.g: Raychem - VG 95218 T020 G### - K1010  
Where: "###" = Individual part identifier (See page 2)  
e.g: Size 2.5mm<sup>2</sup> with black insulation shall be marked:  
Raychem - VG 95218 T020 G110 - K1010



Cable Size (mm <sup>2</sup> )/AWG		VG 95218 T020 G PART NUMBERS		
		INSULATION COLOURS		
		0 - BLACK	2 - RED	6 - BLUE
mm <sup>2</sup>	AWG			
1.5	8 AWG	VG 95218 T020 G100	VG 95218 T020 G102	VG 95218 T020 G106
2.5		VG 95218 T020 G110	VG 95218 T020 G112	VG 95218 T020 G116
4.0		VG 95218 T020 G010	VG 95218 T020 G012	VG 95218 T020 G016
6.0		VG 95218 T020 G020	VG 95218 T020 G022	VG 95218 T020 G026
		VG 95218 T020 G120	VG 95218 T020 G122	VG 95218 T020 G126
10.0		VG 95218 T020 G030	VG 95218 T020 G032	VG 95218 T020 G036
16.0		VG 95218 T020 G040	VG 95218 T020 G042	VG 95218 T020 G046
25.0		VG 95218 T020 G050	VG 95218 T020 G052	VG 95218 T020 G056
35.0		VG 95218 T020 G060	VG 95218 T020 G062	VG 95218 T020 G066
50.0		VG 95218 T020 G070	VG 95218 T020 G072	VG 95218 T020 G076
70.0		VG 95218 T020 G080	VG 95218 T020 G082	VG 95218 T020 G086
95.0		VG 95218 T020 G090	VG 95218 T020 G092	VG 95218 T020 G096
120.0		VG 95218 T020 G140	VG 95218 T020 G142	VG 95218 T020 G146

Cable Size (mm <sup>2</sup> )/AWG		VG 95218 T020 G PART NUMBERS	
		INSULATION COLOURS	
		9 - WHITE	G - GREEN & YELLOW
mm <sup>2</sup>	AWG		
1.5	8 AWG	VG 95218 T020 G109	VG 95218 T020 G10G
2.5		VG 95218 T020 G119	VG 95218 T020 G11G
4.0		VG 95218 T020 G019	VG 95218 T020 G01G
6.0		VG 95218 T020 G029	VG 95218 T020 G02G
		VG 95218 T020 G129	VG 95218 T020 G12G
10.0		VG 95218 T020 G039	VG 95218 T020 G03G
16.0		VG 95218 T020 G049	VG 95218 T020 G04G
25.0		VG 95218 T020 G059	VG 95218 T020 G05G
35.0		VG 95218 T020 G069	VG 95218 T020 G06G
50.0		VG 95218 T020 G079	VG 95218 T020 G07G
70.0		VG 95218 T020 G089	VG 95218 T020 G08G
95.0		VG 95218 T020 G099	VG 95218 T020 G09G
120.0		VG 95218 T020 G149	VG 95218 T020 G14G