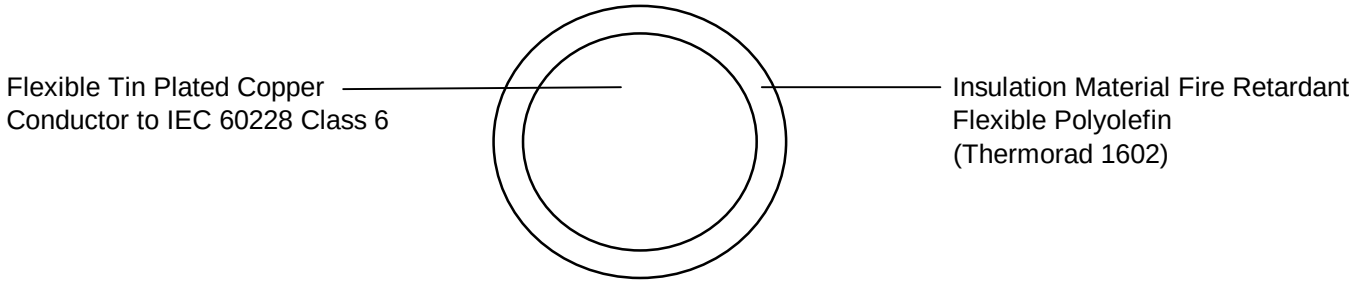
Specification Control Drawing

WIRE, ELECTRIC, RADIATION CROSSLINKED POLYOLEFIN INSULATED,TIN COATED COPPER, 600/1000 VOLT , 125°C



Part Description	Conductor				Finished Cable		
	Nominal Conductor Size (mm^2)	Number of Strands	Maximum Strand Diameter (mm)	Outside Diameter (mm)	Maximum Resistance (Ohms/km)	Outside Diameter (mm)	Nominal Weight (kg/km)
TR16-1.5-*	1.5	85	0.16	1.55 ± 0.15	12.80	3.00 ± 0.20	20
TR16-2.5-*	2.5	7 × 20	0.16	2.40 ± 0.20	7.76	3.90 ± 0.20	32
TR16-4.0-*	4.0	7 × 33	0.16	2.90 ± 0.25	4.76	4.50 ± 0.25	48
TR16-6.0-*	6.0	7 × 27	0.21	3.60 ± 0.25	3.23	5.20 ± 0.25	69
TR16-10.0-*	10.0	19 × 17	0.21	4.55 ± 0.25	1.88	6.20 ± 0.30	111
TR16-16.0-*	16.0	19 × 27	0.21	5.50 ± 0.30	1.19	7.40 ± 0.30	173
TR16-25.0-*	25.0	37 ×21	0.21	7.30 ± 0.40	0.78	9.30 ± 0.30	261
TR16-35.0-*	35.0	37 × 30	0.21	8.55 ± 0.45	0.552	10.60 ± 0.30	365
TR16-50.0-*	50.0	37 × 19	0.31	10.15 ± 0.55	0.387	12.45 ± 0.35	516
TR16-70.0-*	70.0	37 × 27	0.31	12.00 ± 0.60	0.272	14.55 ± 0.35	728
TR16-95.0-*	95.0	37 ×36	0.31	14.05 ± 0.75	0.204	17.00 ± 0.40	971
TR16-120.0-*	120.0	37 × 46	0.31	16.30 ± 0.80	0.159	19.40 ± 0.50	1364

COLOUR CODE: The '*' in the part description shall be replaced with colour code designator in accordance with Mil Stan 681.

PERFORMANCE REQUIREMENTS: To be tested to and meet the requirements of the issue in effect of Raychem Specification WCD 51/1602 where applicable and additional electrical testing as follows:

Routine Spark Test to issue in effect of BS 5099

Conductor size (mm^2)	Test voltage (a.c. [rms] kV)
1.5-10	6
16-50	7
70-95	9
50.0-120	10

APPROVAL: Electronic sign off - no signatures will appear.

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