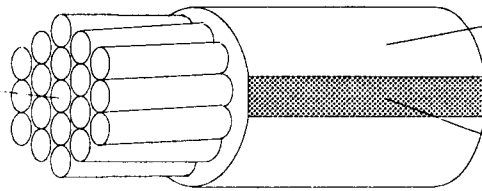


WIRE, STRIPED RADIATION CROSSLINKED POLYOLEFIN INSULATED, 600/1000 VOLT
The complete requirements for procuring the wire described herein shall consist of this document.

Conductor -
IEC 228 Class 6
Tin Plated Copper



Insulation -
Flame Retarded, Radiation
Crosslinked Flexible Polyolefin
(Thermorad 1602)

Co-extruded Stripe

Part Number	Conductor Stranding No/Dia (mm)	Conductor Diameter (mm)		FINISHED WIRE				Nominal Weight (kg/km)
				Maximum Resistance @20 °C (ohms/km)	Diameter (mm)			
		Min	Max		Lower Spec Limit	Target	Upper Spec Limit	
TRS16-1.5-*	85/0.16	1.38	1.68	12.80	2.80	3.00	3.20	22
TRS16-2.5-*	7x20/0.16	2.20	2.60	7.76	3.70	3.90	4.10	35
TRS16-4.0-*	7x33/0.16	2.65	3.15	4.76	4.25	4.50	4.75	54
TRS16-6.0-*	7x27/0.21	3.35	3.85	3.23	4.95	5.20	5.45	74
TRS16-10.0-*	19x17/0.21	4.30	4.80	1.88	5.90	6.20	6.50	121
TRS16-16.0-*	19x27/0.21	5.20	5.80	1.19	7.10	7.40	7.70	188
TRS16-25.0-*	37x21/0.21	6.90	7.30	0.78	9.00	9.30	9.60	284
TRS16-35.0-*	37x30/0.21	8.10	8.80	0.552	10.30	10.60	10.90	395

COLOUR CODE: The '*' in the part number shall be replaced by a standard colour code designator in accordance with Mil Std 68 eg: TRS16-2.5-45 yellow insulation with green stripe

STRIPE DETAILS: All products to carry three co-extruded longitudinal stripes, 30% minimum coverage.

Tests requirements in accordance with WCD51 test methods

Test	Requirement	Frequency
Spark test	Sizes 1.5 to 16.0, 6kV; sizes 25.0 to 35.0, 10kV	100%
Tensile strength	12MPa minimum	Batch
Elongation	250% minimum	Batch
5% Modulus	80MPa maximum	Qual
Tear strength	10N/mm minimum	Qual
Abrasion resistance	300 scrapes minimum with 1.6kg load	Qual
Concentricity	70% minimum	Batch
Insulation Resistance	20Mohm.km minimum	Monthly
Heat ageing, 120 hrs @ 170°C ± 3°C	60% minimum retention of tensile strength and elongation	Qual
Heat ageing, 4 hrs @ 225°C ± 3°C	60% minimum retention of tensile strength and elongation	Monthly
Heat shock, 4 hrs @ 225°C ± 3°C	No cracks, drips, flowing, 6mm total shrinkage	Batch
Cold bend, -55°C ± 3°C	No cracking	Qual
45° Flammability	30 seconds maximum afterburn, 75mm maximum burn length	Monthly
Acid gas	4% HCl equivalent maximum	Qual
Solvent resistance, 72 hrs in ASTM No.2 @ 50°C ± 3°C	60% minimum retention of tensile strength and elongation	Qual

W & C DESIGN

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Raychem Limited
Fairday Road
Dorset
SWINDON
SN3 5HH
Tel: (01793) 528171
Telex: 449409

Registration Number: 674709 London, England
Raychem Ltd. Rolls House
7 Rolls Buildings, Fetter Lane
LONDON
EC4A 1NH

DESIGN	PROD. MAN.	TECHNICAL	QA	MANUFACTURE
<i>[Signature]</i> 12/3/97	<i>[Signature]</i> 17/4/97	<i>[Signature]</i> 8/4/97	<i>[Signature]</i> 9/4/97	<i>[Signature]</i> 17/4/97

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