



RSE/STD/024 TYPE 9 CABLES

Conductor mm ²	Number of pairs	Diameter	
		Min	Max
0.5	1	5.7	6.4
0.5	2	9.7	10.7
1.0	1	6.6	7.4
1.0	2	11.5	12.9
1.0	3	12.0	13.7
1.0	4	13.0	15.0

PRODUCT DESCRIPTION:

This single core cable has been designed to be suitable for installation in trackside cases, enclosures and equipment rooms. It's rugged construction means that it can be run unprotected on ladder racking equipment racks and trunking within signalling equipment rooms.

PRODUCT CHARACTERISTICS:

- Conductor: Tinned annealed copper wire
- Insulation: Dual layer of polymeric insulation
- Assembly: Cores stranded together with LSZH fillers as appropriate
- Binder: Polyester tape
- Screen: Tinned copper braid
- Sheath: Irradiation cross-linked LSZH compound

Electrical	
Voltage rating	30V AC/50V DC
Insulation resistance – 0.5mm ² conductor	> 1440MΩ/km
Insulation resistance – 1.0mm ² conductor	> 720MΩ/km
Mechanical	
Flexibility	> 7.5 MPa %
Notch Propagation - core	PASS; -15°C to +85°C
Flexural life	> 1000 cycles
Impact resistance - core	IN
Scrape abrasion - core	> 500 cycles
Cut-through resistance - core	> 80N
Environmental	
Operating temperature	-25°C to +85°C
Oil resistance	72hrs @ 55°C
Water resistance	72hrs @ 85°C
Ozone resistance	192hrs @ 40°C
Weathering resistance	2000hrs @ 50°C
Fire Performance	
Temperature Index	> 280°C
Smoke emission	PASS
Toxic fume emission	PASS

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