

- Tough robust insulation
- Excellent resistance to all known automotive fluids
- Temperature rating of -40°C to +150°C
- Choice of insulation thickness

## Type 62

Tough chemical resistant automotive wire

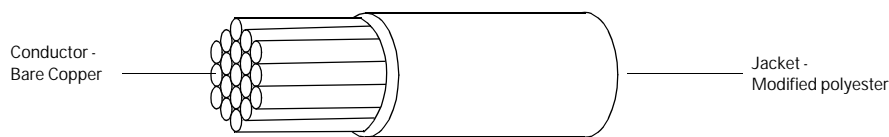
Raychem Type 62 wire and cable is one of a family of wire and cable products designed to meet the increasing performance demands of the modern automotive industry, combining high temperature capabilities for engine compartment applications with low temperature properties for cold climatic

conditions. The flame retarded insulation has outstanding mechanical properties and chemical resistance. It provides the balance of flexibility and toughness required for modern vehicle wiring and harnessing and is easy to handle in

production using standard lead preparation equipment.

Type 62 wire is available in two different insulation wall thicknesses to give a choice of sealing options.

### Ordering information



Conductor				Insulated wire - 62E0119				Insulated wire - 62E0219				
CSA mm <sup>2</sup>	Stranding (No x Dia) mm	Diameter (mm)		Maximum resistance at 20°C ohms/km	Diameter (mm)			Maximum weight kg/km	Diameter (mm)			Maximum weight kg/km
		min	max		Lower spec limit	Target	Upper spec limit		Lower spec limit	Target	Upper spec limit	
0.35	7x0.25	0.73	0.76	53.4	1.21	1.24	1.26	4.39	1.20	1.25	1.30	4.49
0.50	19x0.18	0.82	0.90	40.1	1.36	1.38	1.41	6.21	1.40	1.45	1.50	7.36
0.60	19x0.20	0.94	1.01	31.3	1.45	1.47	1.50	7.07	-	-	-	-
0.75	19x0.23	1.04	1.15	24.7	1.53	1.55	1.58	8.45	1.70	1.75	1.80	9.29
1.00	19x0.26	1.17	1.26	19.9	1.68	1.70	1.73	10.54	1.90	1.95	2.00	11.64
1.25	19x0.29	1.32	1.42	15.3	1.83	1.86	1.89	13.18	-	-	-	-
1.50	19x0.32	1.35	1.60	13.7	1.95	1.97	2.00	15.38	2.20	2.25	2.30	17.64
2.00	19x0.36	1.66	1.79	9.8	2.19	2.21	2.24	20.08	-	-	-	-
2.50	19x0.41	1.85	2.05	8.2	2.37	2.40	2.42	24.64	2.70	2.75	2.80	27.93
3.00	37x0.32	2.12	2.24	6.4	2.61	2.64	2.66	30.03	-	-	-	-
4.00	37x0.37	2.54	2.64	4.95	2.82	2.85	2.88	37.80	-	-	-	-

### Standard colours

Colour	Code	Colour	Code	Colour	Code
Black	0	Orange	3	Violet	7
Brown	1	Yellow	4	Grey	8
Red	2	Green	5	White	9
Pink	2L	Blue	6		

### Ordering description

62E0119 - Conductor CSA (mm<sup>2</sup>) - colour code

62E0219 - Conductor CSA (mm<sup>2</sup>) - colour code

Typical example: 62E0119-1.00-6 = 1.00 mm<sup>2</sup> conductor with blue insulation

A second digit in the colour code shall indicate a colour band

# Type 62

## Typical properties of 62E0119-1.00

	Method	Typical value
Operating temperature		-40°C to +150°C
Voltage		50 V
Insulation resistance	ASTM D3032	100 M ohms for 1 km at 20°C
Relative thermal life	ASTM D3032	150°C 3000 h
Abrasion	BS2G 230 7N 0.225 mm radius	> 500 cycles
Pressure test at temperature	IEC 811-3-1	Pass at 150°C
Cold bend	IEC 811-3-1	Pass at -40°C
Flammability	IEC 332-1	Pass vertical test
Insulation shrinkage	IEC 811-3-1	< 2% (200°C)
Insulation strip force	IEC 189-1	< 60 N
Brake fluid resistance	100°C 72 h	< 5% swell
ASTM No 2 oil resistance	100°C 72 h	< 5% swell
1N sulphuric acid	70°C 24 h	< 5% swell
Petrol +15% methanol	70°C 24 h	< 5% swell
Diesel	70°C 24 h	< 5% swell

## Specifications

Conductors	DIN 72551
62E0119	Raychem WCD 680
62E0219	Ford WSK-MIL126-A1

## 62E Performance highlights

Suitable for direct routing through high temperature areas without use of additional protection or heat-shields.

Minimal deterioration of performance due to exposure to fluids, and can be used in applications where it is continually immersed.

Suitable for use in the coldest countries - the insulation will remain flexible and will resist stone damage at low temperatures.

Tough enough to be used in harnesses without conventional secondary protection, giving cost, size and weight savings.

Supplied in barrels (if required) for fast automatic handling and lead preparation using standard equipment.

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