

STANDARD T6 (200° C) SENSOR CABLE RANGE

for the
Automotive Industry



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High performance automotive wire

In addition to TE Connectivity's (TE) custom design capability, for bespoke cable constructions tailored to specific customer applications, and the successful launch of TE's T4 (150° C) sensor cables, we have now added a standard range of T6 (200° C) sensor cable to our portfolio.



TE Connectivity under the trademark Raychem can now introduce the aluminum foil shielded, with drain-wire termination, 55E6 series and the unshielded 55E4 series to the market. Both cable families utilize TE's high-performance T6 automotive wire (55E0119).

Designed with harsh under bonnet environments in mind, combining Raychem's material science and crosslinking expertise, we have produced a range of cost effective, high performance cables.

Product Features

- Continuous operating temperature from -40° C to +200° C (3000 hrs)
- Excellent resistance to all known automotive fluids, including oil submersion
- Choice of PET wrap or aluminum foil screen with drainwire termination
- Available in a range of conductor cross sections with up to four 55E0119 components
- Mechanically tough
- Small overall diameter for light-weight and space savings

TE Connectivity's Raychem 55E 4 & 6 series

TE Connectivity's Raychem standard ranges of T6 unshielded and shielded cables. Designed for demanding engine and drivetrain applications, these cables are light-weight and offer excellent temperature resistance.

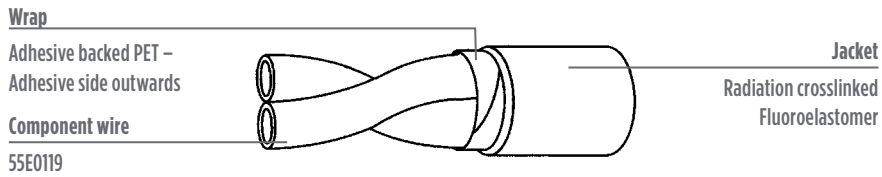
Typical properties	55E 4 + 6 series
Operating temperature	3000 hours @ 200° C
Short-term operating temperature	160 hours @ 250° C 6 hours @ 300° C
Thermal overload	250° C 6 hours
Cold bend	-40° C
Flammability	45° 70 seconds
Scrape abrasion	>1000 cycles
Fluid resistance	As per ISO6722:2011(E) Media groups 1 & 2

Specifications	Release Specification
	TE Connectivity's Raychem WSD 2367 (4 series)
	TE Connectivity's Raychem WSD 2439 (6 series)

Cable Performance Highlights	
	Designed for high-speed automated cutting, stripping and termination.
	The jacket materials have proven over-molding characteristics and bonds to industry standard molding materials.
	55E0119 meets demanding 200° C primary wire specifications and is widely accepted by OEMs.
	55E 4 & 6 series is designed to meet existing automotive environmental European legislation.
	Suitable for direct routing through high temperature areas without use of additional protection or heat-shields due to excellent mechanical properties.

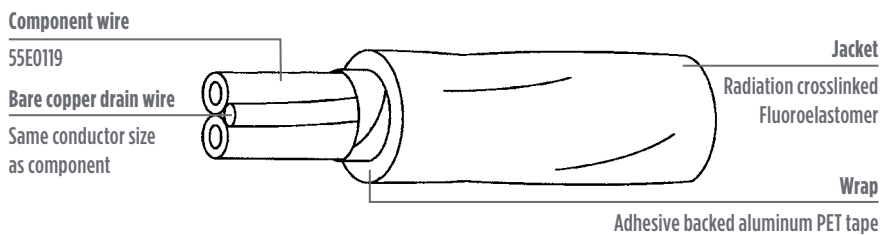
Standard T6 (200° C) Sensor Cable Range

Standard Range of TE's 200° C Unshielded Cables

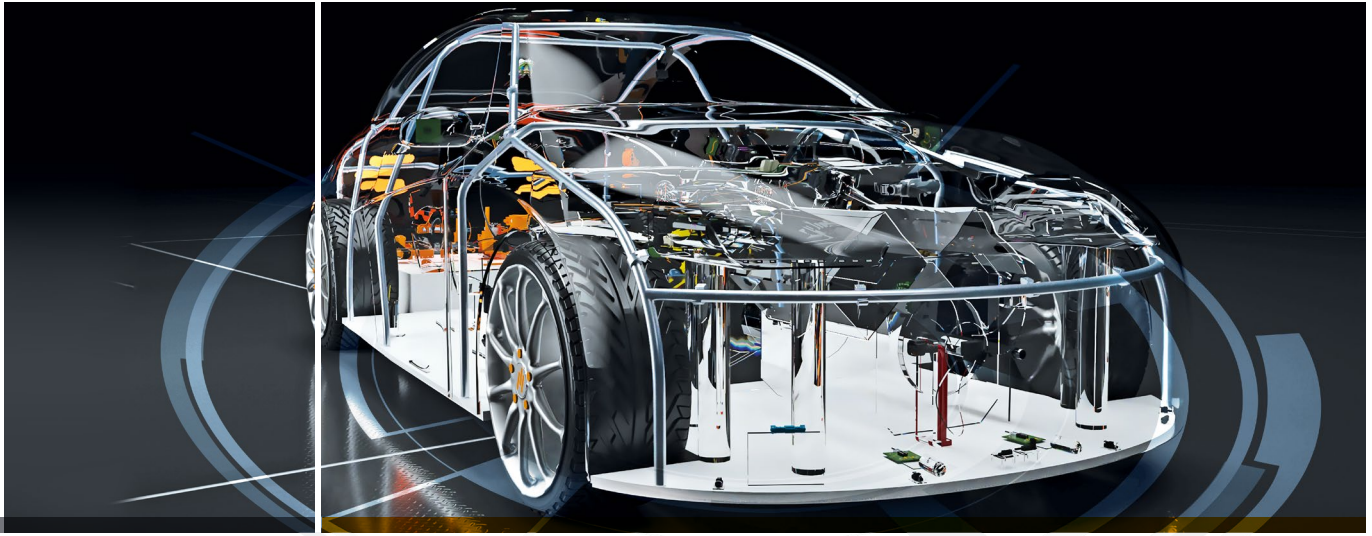


Part Description	Wire Size	No. of Components	Final OD			Nominal Weight (kg/km)	Copper Weight (kg/km)
			Min	Nom	Max		
55E4229-0.35-X/X-0	0.35	2	3.1	3.3	3.5	19.23	16.43
55E4239-0.35-X/X/X-0	0.35	3	3.3	3.5	3.7	19.56	19.64
55E4249-0.35-X/X/X/X-0	0.35	4	3.6	3.8	4.0	10.10	12.85
55E4229-0.50-X/X-0	0.50	2	3.3	3.5	3.7	11.00	19.15
55E4239-0.50-X/X/X-0	0.50	3	3.5	3.7	3.9	11.40	13.72
55E4249-0.50-X/X/X/X-0	0.50	4	3.8	4.0	4.2	11.90	18.29
55E4229-0.75-X/X-0	0.75	2	3.7	3.9	4.1	14.10	13.58
55E4239-0.75-X/X/X-0	0.75	3	4.0	4.2	4.4	14.50	20.36
55E4249-0.75-X/X/X/X-0	0.75	4	4.3	4.5	4.7	15.20	27.15
55E4229-1.00-X/X-0	1.00	2	4.0	4.2	4.4	16.90	17.98
55E4239-1.00-X/X/X-0	1.00	3	4.3	4.5	4.7	17.40	26.98
55E4249-1.00-X/X/X/X-0	1.00	4	4.7	4.9	5.1	18.10	35.97

Standard Range of TE's 200° C Shielded Cables



Part Description	Wire Size	No. of Components	Final OD			Nominal Weight (kg/km)	Copper Weight (kg/km)
			Min	Nom	Max		
55E6229-0.35-X/X-0	0.35	2	3.2	3.4	3.6	20.00	19.64
55E6239-0.35-X/X/X-0	0.35	3	3.4	3.6	3.8	24.80	12.85
55E6229-0.50-X/X-0	0.50	2	3.4	3.6	3.8	24.80	13.72
55E6239-0.50-X/X/X-0	0.50	3	3.6	3.8	4.0	31.00	18.29
55E6229-0.75-X/X-0	0.75	2	3.8	4.0	4.2	33.00	20.36
55E6239-0.75-X/X/X-0	0.75	3	4.1	4.3	4.5	41.70	27.15
55E6229-1.00-X/X-0	1.00	2	4.1	4.3	4.5	40.70	36.98
55E6239-1.00-X/X/X-0	1.00	3	4.4	4.6	4.8	51.80	35.97



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