

# Compensation & Extension Cables

## PFA insulated extension cables for thermocouples

Th LTS with steel wire armoring · Th LTV stainless steel wire armoring



Th LTS



Th LTV

### Construction:

<b>Insulation:</b>	PFA
<b>Stranding:</b>	conductors together
<b>Braiding:</b>	fiber-glass
<b>Armoring:</b>	<b>Th LTS:</b> galvanized steel wire armoring with tracer <b>Th LTV:</b> galvanized steel wire armoring (VA) with tracer
<b>Shape:</b>	round

### Technical data:

<b>Min. bending radius:</b>	12 x O.D.
<b>Temperature range of insulation:</b>	<i>static:</i> max. +250°C <i>flexible:</i> max. +250°C <i>short time use:</i> +260°C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Burning characteristics:</b>	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

<b>Type:</b>	<b>Th LTS:</b>	<b>Th LTV:</b>
Conductor construction:	0.22 mm <sup>2</sup> = 7 x 0.20 mm ø 0.50 mm <sup>2</sup> = 16 x 0.20 mm ø 1.00 mm <sup>2</sup> = 32 x 0.20 mm ø	0.22 mm <sup>2</sup> = 7 x 0.20 mm ø 0.50 mm <sup>2</sup> = 16 x 0.20 mm ø 1.00 mm <sup>2</sup> = 32 x 0.20 mm ø

### Th LTS

item no.	type	dimensions mm <sup>2</sup>	for thermocouple	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 47310...*	Th 20 LTS	2 x 0.22	Fe-CuNi	0.130	3.3	1
▶ 47311...*	Th 50 LTS	2 x 0.50	Fe-CuNi	0.161	4.1	3
▶ 47312...*	Th 100 LTS	2 x 1.00	Fe-CuNi	0.193	4.9	3
▶ 47313...*	Th 20-4 LTS	4 x 0.22	Fe-CuNi	0.146	3.7	2
▶ 47314...*	Th 50-4 LTS	4 x 0.50	Fe-CuNi	0.185	4.7	3
▶ 47315...*	Th 100-4 LTS	4 x 1.00	Fe-CuNi	0.220	5.6	5
▶ 47310...*	Th 20 LTS	2 x 0.22	NiCr-Ni	0.130	3.3	1
▶ 47311...*	Th 50 LTS	2 x 0.50	NiCr-Ni	0.161	4.1	3
▶ 47312...*	Th 100 LTS	2 x 1.00	NiCr-Ni	0.193	4.9	3
▶ 47313...*	Th 20-4 LTS	4 x 0.22	NiCr-Ni	0.146	3.7	2
▶ 47314...*	Th 50-4 LTS	4 x 0.50	NiCr-Ni	0.185	4.7	3
▶ 47315...*	Th 100-4 LTS	4 x 1.00	NiCr-Ni	0.220	5.6	5

### Th LTV

item no.	type	dimensions mm <sup>2</sup>	for thermocouple	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 47350...*	Th 20 LTV	2 x 0.22	Fe-CuNi	0.126	3.2	1
▶ 47351...*	Th 50 LTV	2 x 0.50	Fe-CuNi	0.161	4.1	3
▶ 47352...*	Th 100 LTV	2 x 1.00	Fe-CuNi	0.193	4.9	3
▶ 47353...*	Th 20 -4 LTV	4 x 0.22	Fe-CuNi	0.142	3.6	2
▶ 47354...*	Th 50 -4 LTV	4 x 0.50	Fe-CuNi	0.185	4.7	3
▶ 47355...*	Th 100-4 LTV	4 x 1.00	Fe-CuNi	0.220	5.6	5
▶ 47350...*	Th 20 LTV	2 x 0.22	NiCr-Ni	0.126	3.2	1
▶ 47351...*	Th 50 LTV	2 x 0.50	NiCr-Ni	0.161	4.1	3
▶ 47352...*	Th 100 LTV	2 x 1.00	NiCr-Ni	0.193	4.9	3
▶ 47353...*	Th 20 -4 LTV	4 x 0.22	NiCr-Ni	0.142	3.6	2
▶ 47354...*	Th 50 -4 LTV	4 x 0.50	NiCr-Ni	0.185	4.7	3
▶ 47355...*	Th 100-4 LTV	4 x 1.00	NiCr-Ni	0.220	5.6	5

\*Thermocouple code see page M/5