

# COMPENSATING AND EXTENSION CABLES

## PFA insulated extension cables for thermocouples

Th LTS with steel wire armouring  
Th LTV stainless steel wire armouring



Th LTS



Th LTV

### Construction:

<b>Insulation:</b>	PFA
<b>Stranding:</b>	cores together
<b>Braiding:</b>	fibre-glass
<b>Armouring:</b>	<b>Th LTS:</b> galvanized steel wire armouring with tracer <b>Th LTV:</b> stainless steel wire armouring (VA) with tracer
<b>Shape:</b>	round

### Technical data:

<b>Min. bending radius:</b>	12 x d
<b>Temperature range of insulation:</b>	
flexible application:	max. +250 °C
fixed laying:	max. +250 °C
limited time of use:	+260 °C
<b>Insulation resistance:</b>	> 1MΩ x km
<b>Fire performance:</b>	no flame propagation acc. to IEC 60332 + EN 60332 Cat. C resp. D (see page N/19). Flame retardant and self-extinguishing IEC 60332-1-2 + EN 60332-1-2
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17

<b>Type:</b>	<b>Th LTS</b>	<b>Th LTV</b>
Conductor construction:	$0,22 \text{ mm}^2 = 7 \times 0,20 \text{ mm } \emptyset$ $0,50 \text{ mm}^2 = 16 \times 0,20 \text{ mm } \emptyset$ $1,00 \text{ mm}^2 = 32 \times 0,20 \text{ mm } \emptyset$	$0,22 \text{ mm}^2 = 7 \times 0,20 \text{ mm } \emptyset$ $0,50 \text{ mm}^2 = 16 \times 0,20 \text{ mm } \emptyset$ $1,00 \text{ mm}^2 = 32 \times 0,20 \text{ mm } \emptyset$

#### Th LTS

item no.	type	no. of cores x cross section n x mm <sup>2</sup>	for thermo- couple	approx. outer-Ø mm	approx. cable weight kg/100 m
047310...*	Th 20 LTS	2 x 0,22	Fe-CuNi	3,3	2,1
047311...*	Th 50 LTS	2 x 0,50	Fe-CuNi	4,1	3,9
047312...*	Th 100 LTS	2 x 1,00	Fe-CuNi	4,9	5,2
047313...*	Th 20-4 LTS	4 x 0,22	Fe-CuNi	3,7	3,2
047314...*	Th 50-4 LTS	4 x 0,50	Fe-CuNi	4,7	5,1
047315...*	Th 100-4 LTS	4 x 1,00	Fe-CuNi	5,6	7,5
047310...*	Th 20 LTS	2 x 0,22	NiCr-Ni	3,3	2,1
047311...*	Th 50 LTS	2 x 0,50	NiCr-Ni	4,1	3,9
047312...*	Th 100 LTS	2 x 1,00	NiCr-Ni	4,9	5,2
047313...*	Th 20-4 LTS	4 x 0,22	NiCr-Ni	3,7	3,2
047314...*	Th 50-4 LTS	4 x 0,50	NiCr-Ni	4,7	5,1
047315...*	Th 100-4 LTS	4 x 1,00	NiCr-Ni	5,6	7,5

#### Th LTV

item no.	type	no. of cores x cross section n x mm <sup>2</sup>	for thermo- couple	approx. outer-Ø mm	approx. cable weight kg/100 m
047350...*	Th 20 LTV	2 x 0,22	Fe-CuNi	3,2	1,9
047351...*	Th 50 LTV	2 x 0,50	Fe-CuNi	4,1	3,9
047352...*	Th 100 LTV	2 x 1,00	Fe-CuNi	4,9	5,2
047353...*	Th 20 -4 LTV	4 x 0,22	Fe-CuNi	3,6	2,9
047354...*	Th 50 -4 LTV	4 x 0,50	Fe-CuNi	4,7	5,1
047355...*	Th 100-4 LTV	4 x 1,00	Fe-CuNi	5,6	7,5
047350...*	Th 20 LTV	2 x 0,22	NiCr-Ni	3,2	1,9
047351...*	Th 50 LTV	2 x 0,50	NiCr-Ni	4,1	3,9
047352...*	Th 100 LTV	2 x 1,00	NiCr-Ni	4,9	5,2
047353...*	Th 20 -4 LTV	4 x 0,22	NiCr-Ni	3,6	2,9
047354...*	Th 50 -4 LTV	4 x 0,50	NiCr-Ni	4,7	5,1
047355...*	Th 100-4 LTV	4 x 1,00	NiCr-Ni	5,6	7,5

Thermocouple code see page L/5