

Multistrand Wires With Double-layer, Reinforced Insulation

Thermoflex

Highly flexible stranded wire with reinforced, double-layer Insulation (inside neutral, outside coloured). Super-fine wire, oxygen-free Cu strand, bright-soft, tightly twisted.

Typical Application

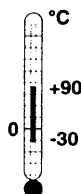
Hand-held test and connecting leads for maximum safety requirements by use in a wide temperature range.

Thermoflex



Insulation TPE, interlaced halogen-free

Environmental conditions
Temperature range



- up to +300°C for 10 seconds (Contact with soldering iron)
- up to +120°C for 10 minutes

Flexiplast®-2V

Highly flexible stranded wire with reinforced, double-layer Insulation (inside neutral, outside coloured). Super-fine wire, oxygen-free Cu strand, bright-soft, tightly twisted.

Typical Application

Hand-held test and connecting leads for maximum safety requirements by normal thermal stress.

Flexiplast®-2V



Insulation TPE halogen-free, 70 Shore A

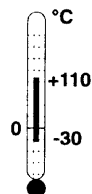
Relative permittivity
Loss factor

approx. 2,1 - 2,7
approx. 0,003 - 0,008 (frequency-dependent)

Maximum elongation
Tensile strength

675 %
15,9 N/mm²

Environmental conditions
Temperature range



- up to +130°C temporarily (can be sterilized)

Thermoflex Type	Nominal cross-section [mm ²] ~ AWG	Strand design Number x ø [mm]	Copper weight [kg / km]	Conductor ø [mm]	Thickness insulation wall [mm]	Outer ø [mm]	Nominal-voltage [V]	Test-voltage [V]	Nom. current [A]	UL	Standard colours**	Order No.
HK2,5-D/TF	2,5 13	462 x 0,08	21	2,4	0,8	4,0	1 000	3 500	32		21 - 26	22.0180-*

Flexiplast®-2V Type	Nominal cross-section [mm ²] ~ AWG	Strand design Number x ø [mm]	Copper weight [kg / km]	Conductor ø [mm]	Thickness insulation wall [mm]	Outer-ø [mm]	Nominal-voltage [V]	Test-voltage [V]	Nom. current [A]	UL	Standard colours**	Order No.
PLAST-2V 0,25	0,25 23	66 x 0,07	2,4	0,65	0,65	2,0	1 500	8 000	6		21 - 27, 29	60.7240-*
PLAST-2V 0,50	0,50 20	129 x 0,07	4,7	0,95	0,65	2,3	1 500	8 000	10		21 - 27, 29	60.7245-*
PLAST-2V 0,75	0,75 18	196 x 0,07	6,9	1,2	1,2	3,5	1 500	8 000	15		21 - 27, 29	60.7250-*
PLAST-2V 1,0	1,0 17	258 x 0,07	9,5	1,4	1,3	3,9	1 500	8 000	19		21 - 27, 29	60.7255-*
PLAST-2V 1,5	1,5 15	392 x 0,07	14	1,7	1,1	3,9	1 500	8 000	24		21 - 27, 29	60.7260-*
PLAST-2V 2,0	2,0 14	525 x 0,07	20	1,8	1,1	3,9	1 500	8 000	30		21 - 27, 29	60.7265-*
PLAST-2V 2,5	2,5 13	651 x 0,07	24,5	2,3	1,1	4,4	1 500	8 000	32		21 - 27, 29	60.7270-*

*Colour code	20	21	22	23	24	25	26	27	28	29	30	33
	green-yellow	black	red	blue	yellow	green	violet	brown	grey	white	orange	transparent

** Other colours on request !

365-3020 - RED.
365-3031 - BLACK.