

135-264 To 135-434

Multistrand Wires With Thin-Walled Insulation

**Flexiplast® -E**

Highly flexible base-insulated stranded wire. Super-fine wire, oxygen-free Cu strand, bright-soft, tightly twisted.



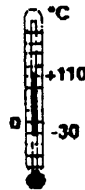
**Insulation** TPE  
 halogen-free, 70 Shore A

**Relative permittivity** approx. 2,1 - 2,7  
**Loss factor** approx. 0,003 - 0,008 (frequency-dependent)

**Maximum elongation** 675 %  
**Tensile strength** 15,9 N/mm<sup>2</sup>

**Environmental conditions** Oil-resistant, resistant to most acids and alkalis.

**Temperature range**



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

**Typical Application**

Internal wiring of mobile components under moderate mechanical stress.

Type	Nominal cross-section	Strand design	Copper weight	Conductor	Thickness insulation wall	Outer	Nominal- Test-voltage		Nom current	UL	Standard colours**	Order No.
	[mm <sup>2</sup> ] ~ AWG	Number x ø [mm]	[kg / km]	[n m]	[mm]	[mm]	[V]	[V]	[A]			
PLAST-E 0,15	0,15 26	39 x 0,07	1,4	0,50	0,50	1,5	500	2 200	4		21 - 27, 29	60.7170-*
PLAST-E 0,25	0,25 23	66 x 0,07	2,4	0,65	0,50	1,7	500	2 200	6		21 - 27, 29	60.7175-*
PLAST-E 0,50	0,50 20	129 x 0,07	4,7	0,95	0,55	2,1	500	2 200	10		21 - 27, 29	60.7180-*
PLAST-E 0,75	0,75 18	196 x 0,07	6,9	1,2	0,55	2,3	500	2 200	16		21 - 27, 29	60.7185-*
PLAST-E 1,0	1,0 17	258 x 0,07	9,5	1,4	0,65	2,7	750	3 500	19		21 - 27, 29	60.7190-*
PLAST-E 1,5	1,5 15	392 x 0,07	14	1,7	0,60	3,0	750	3 500	24		21 - 27, 29	60.7195-*
PLAST-E 2,5	2,5 13	651 x 0,07	24,5	2,3	0,65	3,6	750	3 500	32		21 - 27, 29	60.7200-*



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