

HELUFLO[®] -FEP-6Y fluorinated polymeric materials, single core, -100°C to +205°C



Technical data

- Fluorinated polymeric insulation FEP (Fluorethylenepropylene)
- **Temperature range**
-100°C to +205°C
(up to +230°C for short time)
- **Nominal voltage** 600 V
- **Test voltage** 2500 V
- **Insulation resistance**
min. 2 GOhm x km
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 1x10⁶ cJ/kg (up to 1 Mrad)
- **Conductor temperature range**
plain copper +130°C
tinned copper +180°C
silver pl. copper +200°C

Cable construction

- Stranded copper wire, bare, tinned, silver
- Make-up fine wire stranded to
DIN VDE 0295 cl. 5, BS 6360 cl. 5 and
IEC 60228 cl. 5
- Core insulation FEP-HELUFLO[®]

Properties

- Higher insulation resistance
- Low dielectric loss
- Not flammable
- Min. 20 kV dielectric strength
- Resistant to micro-cultures
- Do not permit any fungus-formation
- Absolute ozone resistant
- Absolute weather resistant
- Water absorption <0,01%
- Minimal water vapour permeability (approx. 0,18 mgr/cm² in 24 hours)
- Self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- Please complete the above part-no. for the colour required using the following table:
1 = black, 2 = red, 3 = blue,
4 = brown, 5 = white, 6 = transparent,
7 = twintone, 8 = other colours

Application

Teflon cables are predominantly used for installing in control cabinets subjected to high thermal effects as well as in brickworks, heaters, kitchen fitments and measuring appliances as well as in the chemical industry. These cables are non-flammable and resistant to acids, alkalis, solvents, oil and petrol.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
2551x	1 x 0,14	1,0	1,4	2,6	26
2552x	1 x 0,25	1,2	2,4	4,1	24
2553x	1 x 0,5	1,4	4,8	8,0	20
2554x	1 x 0,75	1,6	7,2	9,7	18
2555x	1 x 1	1,9	9,6	12,7	17
2556x	1 x 1,5	2,2	14,4	17,9	16

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
2557x	1 x 2,5	2,6	24,0	26,4	14
2558x	1 x 4	3,2	38,0	43,1	12
2559x	1 x 6	4,4	58,0	65,9	10
2560x	1 x 10	5,3	96,0	115,0	8
2561x	1 x 16	8,0	154,0	175,0	6

Dimensions and specifications may be changed without prior notice.