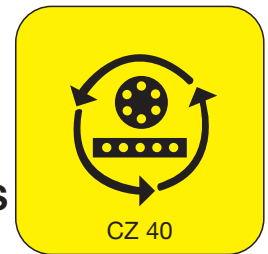
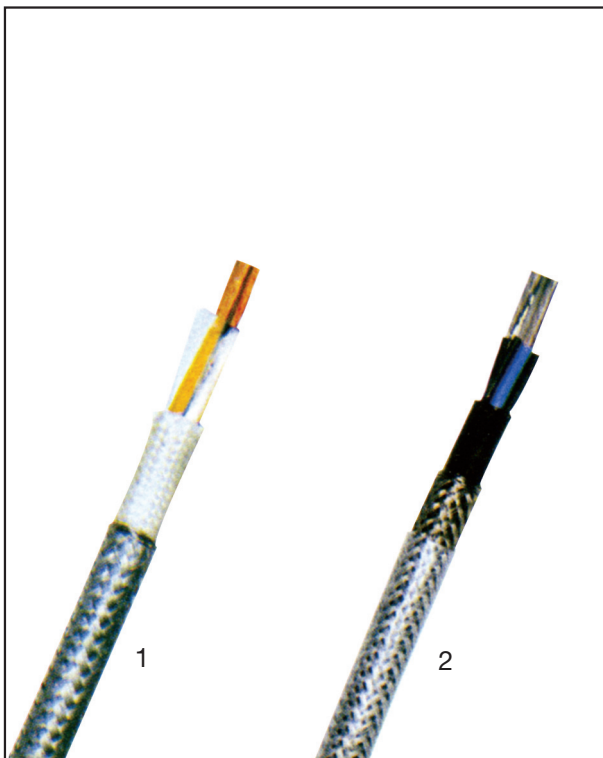


TEFLON SERVICE CABLE – TEH

FLUOROCARBON CABLES TO VDE, UL, MIL AND GERM. LLOYD SPEC., OPERATING VOLTAGE 600 V



TOP THERMAL, MECHANICAL, CHEMICAL AND ELECTRICAL QUALITIES



CONSTRUCTION

+Copper conductors, bare finely stranded class 5, cores with optional * Teflon insulation, laid up, PTFE monofil, optional * Teflon bedding, optional screening in stainless steel or galvanised steel wire or copper wire or in plated versions up to pure nickel - optional * Teflon sheathing, transparent.

Pic. 1. optional * Teflon insulation, GL braided, galv. steel wire screened

Pic. 2. optional * Teflon insulation, PTFE monofil, FEP bedding, stainless steel wire screened, FEP sheath

Please Note: As various field applications demand special solutions Powermite's Teflon cable range can offer Fluorocarbon and Fluoropolymer wire and cables to suit your requirement including nickel plated conductors and Heliflex shape.

CORE IDENTIFICATION

As prescribed by the various specifications or classification societies.

APPLICATION:

TEH cables can be used indoors and outdoors, in dry, damp or wet environments as Power Control, Instrument and Data cable. As Teflon is a non flexible sheath material it can mostly be found in fixed installations where high heat levels are generated or mechanical/chemical abuse is prevalent.

For Teflon qualities please refer to page 56 table 10

+ optional stranding qualities in plain copper, tinned, nickel, silver plated, pure nickel
* optional Teflon implies FEP, PFA, PTFE or ETFE

TECHNICAL DATA

1. Max. operating Voltage AC : 600 V	6. Current Capacity : see Table 3 page 52 to VDE 0100 for increased ambient temperature
2. Max. operating Voltage DC : 900 V	7. Insulation : flame retardent, high insulation integrity, abrasion resistance, low water absorption
3. Test Voltage AC : 2500 V	8. Specification : VDE, UL, MIL, GERM. LLOYD
4. Conductor resistance : to DIN/VDE/UL	9. Min. bending radius : depending on Teflon option* 5 x cable O.D. to 15 x cable O.D.
5. Temperature range : depending on options: * -100 °C to +260 °C, intermit. +300 °C + plain copper +130°C tinned copper+180°C silver plated +200°C nickel plated +300°C pure nickel +600°C	10. Tensile stress : not to exceed 20 N/mm ²

No. of cores and rated cross section	approx. qty. & dia. of single strands	approx. outer dimension	approx. outer dimension	No. of cores and rated cross section	approx. qty. & dia. of single strands	approx. outer dimension	approx. outer dimension
mm ²	mm	mm (1)	mm (2)	mm ²	mm	mm (1)	mm (2)
TEH				TEH			
2 x 0,75	24 x 0,20	4,9	6,3	7 x 1,5	30 x 0,25	8,0	9,3
3 x 0,75	24 x 0,20	5,1	6,6	12 x 1,5	30 x 0,25	10,5	11,8
5 x 0,75	24 x 0,20	6,1	7,3				
2 x 1	32 x 0,20	5,2	6,5	3 x 2,5	50 x 0,25	7,2	8,7
3 x 1	32 x 0,20	5,5	6,8	4 x 2,5	50 x 0,25	8,0	9,4
4 x 1	32 x 0,20	6,0	7,3	5 x 2,5	50 x 0,25	8,7	10,3
				7 x 2,5	50 x 0,25	9,5	11,1
2 x 1,5	30 x 0,25	5,7	7,1	4 x 4	56 x 0,30	9,9	11,4
3 x 1,5	30 x 0,25	6,1	7,4	5 x 4	56 x 0,30	10,8	12,4
5 x 1,5	30 x 0,25	7,3	8,6				
				4 x 6	84 x 0,30	11,7	14,3
				4 x 10	80 x 0,40	15,6	17,7

Sizes, cores and designs not mentioned here are available on request.

Above sizes may require minimum quantities
All quoted data is approximate and not binding