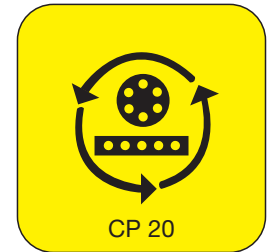


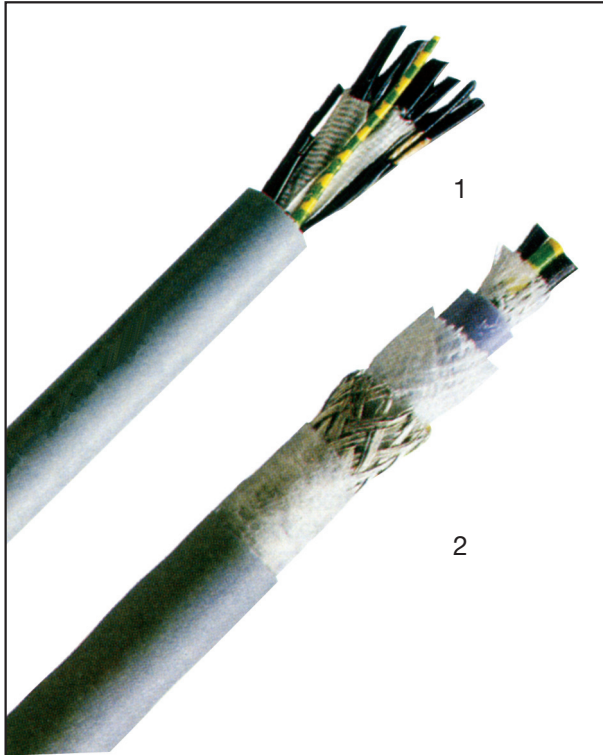
DRAGCHAIN PURFLEX™ – TFXDS 200 200C

POLYURETHANE FLEXIBLE CABLE ACCORDING TO VDE 0282 SPECIFICATION, VOLTAGE 600 V



FOR EXTREMELY HIGH REVERSED BENDING STRESS

TFXDS 90 cable is for continuously applied bending stress



CONSTRUCTION

Conductors of copper, finely stranded to class 6, cores insulated with modified TPE-E, particularly adjusted twist in layers, each layer covered with cotton binder tape and an additional fleece covering the outer corelay – if type TFXDS 200C inner sheath of halogen free material, wrapped with non-woven tape, concentrically applied TCW braid fleece covered – PUR sheath of rough surface, oil, chemical and weather resistant, colour grey.

Please Note: Powermite can offer Purflex Dragchain cable with different stranding, core configurations and sheath colours.

CORE IDENTIFICATION to VDE 0293

Black cores with white numbers

Cable description bearing – J with green/yellow earth core

APPLICATION:

Pic 1 **TFXDS 200** cable is the latest development to serve the ever increasing demands on flexibility and standing time in today's highly automatic/mechanised production processes. This cable was tested on a reversed bending machine to VDE0472 – Testing H and proved still operational after ten million bends.

Pic 2 **TFXDS 200C** as TFXDS 200 above, but cable incorporates a tinned copper wire braid between inner and outer sheath, which renders it suitable even if high frequency external impacts try to disturb the operational pulse transmission. Good EMC characteristics.

Refer to our cable installation hints EK00. T. 001

For chemical resistance table see page 58 table 13

TECHNICAL DATA

1. Max. operating Voltage AC	: 600 V	6. Current Capacity	: see Table 3 page 52 to VDE 0100
2. Max. operating Voltage DC	: 900 V	7. Derating	: see Table 3 page 52 to VDE 0100
3. Test Voltage AC	: 3000 V	8. Specification	: according to VDE 0282
4. Conductor resistance	: to VDE 0295 Class 6	9. Min. bending radius	: mobile 7,5 x cable O.D. fixed 4 x cable O.D.
5. Temperature range	: mobile – 40 °C to + 90 °C fixed – 50 °C to + 90 °C	10. Tensile stress	: not to exceed 15N/mm ² of total core cross section
		11. Marking	: printed

NOTE: These cables are of smaller O.D.

No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx.	No. of cores and rated cross section	max. diameter of single strands	max. outer dimension	weight approx.
mm ²	mm	mm	* kg/m	mm ²	mm	mm	* kg/m
TFXDS 200-J				TFXDS 200C-J, screened			
5 x 0,75	0,16	6,7	0,06	5 x 0,75	0,16	8,8	0,10
7 x 0,75	0,16	7,7	0,09	7 x 0,75	0,16	9,8	0,12
12 x 0,75	0,16	9,6	0,14	12 x 0,75	0,16	12,0	0,19
25 x 0,75	0,16	13,9	0,28	25 x 0,75	0,16	16,6	0,39
5 x 1	0,16	7,2	0,08	5 x 1	0,16	9,3	0,11
7 x 1	0,16	8,4	0,12	7 x 1	0,16	10,7	0,16
12 x 1	0,16	10,4	0,17	12 x 1	0,16	12,8	0,24
25 x 1	0,16	15,1	0,35	25 x 1	0,16	18,4	0,48
36 x 1	0,16	17,0	0,50	36 x 1	0,16	20,3	0,63
5 x 1,5	0,16	8,0	0,11	5 x 1,5	0,16	10,1	0,15
7 x 1,5	0,16	9,6	0,16	7 x 1,5	0,16	11,9	0,21
12 x 1,5	0,16	11,9	0,24	12 x 1,5	0,16	14,7	0,34
25 x 1,5	0,16	17,1	0,50	25 x 1,5	0,16	20,4	0,63

* Note! Good weight reduction against type TFXDS 86

Sizes, cores and designs not mentioned here are available on request for cross sections from 2.5mm² up to 50mm².

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