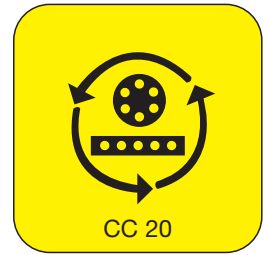
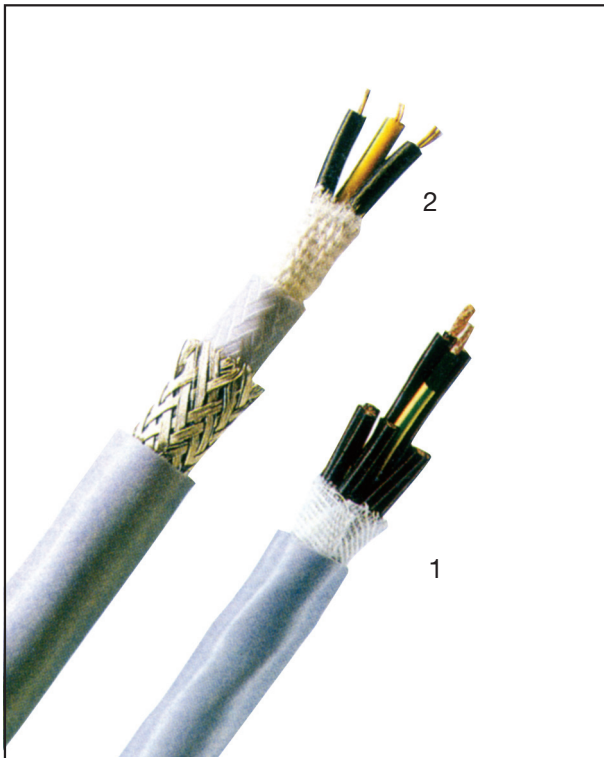


DRAGCHAIN TEXOFLEX – TFXDS TM 86 86C

PVC FLEXIBLE CABLES ACCORDING TO VDE 0281 SPEC. VOLTAGE 600 V



FOR MEDIUM DUTY REVERSED BENDING STRESS



CONSTRUCTION

Conductors of copper, bare finely stranded to class 6, cores PVC insulated, laid up with a cotton binder tape covering the outer layer – if type TFXDS-86C inner sheath of PVC, concentrically applied TCW screen of up to 80% coverage – PVC sheath of increased wall thickness, flame retardant, oil and chemical resistant, colour grey.

Please Note: Powermite can offer Texoflex Dragchain cable with different stranding, core configurations and sheath colours. For weight reduced types refer to TFXDS 90 as well as TFXDS 200, page 26.

CORE IDENTIFICATION to VDE 0293

Black cores with white number

Cable description bearing – J with green/yellow earth core

APPLICATION:

Pic 1 **TFXDS 86** cables can be used indoors and outdoors, in dry, damp or wet environments as Control and Power cable. It is suitable for permanent flexible stress as found in cable application on industrial Robots, Dragchains or Festoon Systems.

Pic 2 **TFXDS 86C** as TFXDS 86 above, but cable incorporates a tinned copper wire braid, which protects against high frequency external impacts and provides good EMC characteristics.

Refer to our cable installation hints EK00. T. 001

For chemical resistance table see page 57 table 11

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 0281
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 + 5 °C to + 70 °C fixed – 40 °C to + 70 °C	10. Tensile stress	: not to exceed 15N/mm ² of total core cross section
		11. Marking	: printed

NOTE: cables with smaller O.D on request

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 86-J				TFXDS 86C-J, screened			
5 x 0,75	0,15	7,6	0,09	5 x 0,75	0,15	9,8	0,15
7 x 0,75	0,15	9,1	0,12	7 x 0,75	0,15	11,4	0,19
12 x 0,75	0,15	11,1	0,18	12 x 0,75	0,15	13,9	0,29
25 x 0,75	0,15	15,9	0,36	25 x 0,75	0,15	19,3	0,54
36 x 0,75	0,15	18,1	0,51	30 x 0,75	0,15	19,8	0,60
65 x 0,75	0,15	24,3	0,87	36 x 0,75	0,15	21,3	0,69
5 x 1	0,15	7,9	0,10	5 x 1	0,15	10,1	0,16
7 x 1	0,15	9,4	0,13	7 x 1	0,15	12,0	0,25
12 x 1	0,15	11,5	0,22	12 x 1	0,15	14,5	0,34
25 x 1	0,15	16,7	0,43	25 x 1	0,15	19,6	0,61
36 x 1	0,15	18,8	0,60	30 x 1	0,15	20,7	0,70
65 x 1	0,15	25,4	1,07	36 x 1	0,15	22,2	0,82
5 x 1,5	0,15	8,7	0,14	5 x 1,5	0,15	11,3	0,22
7 x 1,5	0,15	10,6	0,20	7 x 1,5	0,15	13,2	0,29
12 x 1,5	0,15	13,0	0,29	12 x 1,5	0,15	16,0	0,43
25 x 1,5	0,15	18,8	0,58	25 x 1,5	0,15	22,2	0,80
36 x 1,5	0,15	21,3	0,82	30 x 1,5	0,15	22,8	0,90
65 x 1,5	0,15	28,7	1,44	36 x 1,5	0,15	24,7	1,07

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

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