

TD 801 F FEP data cable with extended temperature range



Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6YI1 acc. to VDE 0207 part 6
Colour code:	with reference to DIN VDE 47100
Stranding:	in layers
Sheath material:	FEP, 6YM1 acc. to VDE 0207 part 6
Sheath colour:	white (RAL 1013)

Technical data:

Peak operating voltage:	max. 375 V
Testing voltage:	1500 V
Min. bending radius:	7.5 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-90/+180 °C
<i>flexible application:</i>	-55/+180 °C
<i>limited time of use:</i>	+200 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Chem. resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

Outstanding features:

- excellent resistance against chemicals and solvents
- excellent temperature resistance and flexibility at low temperatures
- excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics

EAC approval

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38010228	2 x AWG 28/7	0,127	2,10	1,7	6,4
38010226	2 x AWG 26/7	0,160	2,30	2,7	8,0
38010224	2 x AWG 24/7	0,203	2,65	4,4	10,0
38010222	2 x AWG 22/7	0,254	2,95	6,9	14,0
38010220	2 x AWG 20/7	0,320	3,40	10,8	19,0
38010328	3 x AWG 28/7	0,127	2,20	2,6	8,1
38010326	3 x AWG 26/7	0,160	2,50	4,0	10,0
38010324	3 x AWG 24/7	0,203	2,75	6,6	14,0
38010322	3 x AWG 22/7	0,254	3,10	10,4	18,0
38010320	3 x AWG 20/7	0,320	3,55	16,1	26,0
38010428	4 x AWG 28/7	0,127	2,45	3,5	9,9
38010426	4 x AWG 26/7	0,160	2,70	5,4	13,0
38010424	4 x AWG 24/7	0,203	3,00	8,8	17,0
38010422	4 x AWG 22/7	0,254	3,40	13,8	23,0
38010420	4 x AWG 20/7	0,320	3,90	21,5	33,0
38010528	5 x AWG 28/7	0,127	2,65	4,3	13,0
38010526	5 x AWG 26/7	0,160	2,95	6,7	16,0
38010524	5 x AWG 24/7	0,203	3,35	11,0	22,0

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38010522	5 x AWG 22/7	0,254	3,75	17,3	30,0
38010520	5 x AWG 20/7	0,320	4,45	26,9	43,0
38010728	7 x AWG 28/7	0,127	2,90	6,0	15,0
38010726	7 x AWG 26/7	0,160	3,20	9,4	20,0
38010724	7 x AWG 24/7	0,203	3,60	15,5	27,0
38010722	7 x AWG 22/7	0,254	4,15	24,2	39,0
38010720	7 x AWG 20/7	0,320	4,80	37,6	56,0
38011028	10 x AWG 28/7	0,127	3,65	8,6	21,0
38011026	10 x AWG 26/7	0,160	4,15	13,4	29,0
38011024	10 x AWG 24/7	0,203	4,70	22,1	40,0
38011022	10 x AWG 22/7	0,254	5,45	34,6	56,0
38011020	10 x AWG 20/7	0,320	6,25	53,8	80,0
38011228	12 x AWG 28/7	0,127	3,75	10,4	24,0
38011226	12 x AWG 26/7	0,160	4,25	16,1	33,0
38011224	12 x AWG 24/7	0,203	4,85	26,5	46,0
38011222	12 x AWG 22/7	0,254	5,60	41,5	66,0
38011220	12 x AWG 20/7	0,320	6,50	64,5	94,0

Other dimensions and colours are possible on request.