

TD 800 E ETFE data cable with extended temperature range



Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	ETFE, 7YI1 acc. to VDE 0207 part 6
Colour code:	with reference to DIN VDE 47100
Stranding:	in layers
Sheath material:	ETFE, 7YM1 acc. to VDE 0207 part 6
Sheath colour:	white (RAL 1013)

Outstanding features:

- high resistance against chemicals and solvents
- low and high temperature resistance
- good electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics

Technical data:

Peak operating voltage:	max. 375 V
Testing voltage:	1500 V
Min. bending radius:	7.5 x d
Radiation resistance:	2 x 10 ⁸ cJ/kg
Temperature range	
<i>fixed laying:</i>	-90/+135 °C
<i>flexible application:</i>	-55/+135 °C
<i>limited time of use:</i>	+150 °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/14

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item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38000228	2 x AWG 28/7	0,127	2,10	1,7	5,4
38000226	2 x AWG 26/7	0,160	2,30	2,7	6,8
38000224	2 x AWG 24/7	0,203	2,65	4,4	9,1
38000222	2 x AWG 22/7	0,254	2,95	6,9	12,0
38000220	2 x AWG 20/7	0,320	3,40	10,8	17,0
38000328	3 x AWG 28/7	0,127	2,20	2,6	6,9
38000326	3 x AWG 26/7	0,160	2,50	4,0	9,0
38000324	3 x AWG 24/7	0,203	2,75	6,6	12,0
38000322	3 x AWG 22/7	0,254	3,10	10,4	17,0
38000320	3 x AWG 20/7	0,320	3,55	16,1	24,0
38000428	4 x AWG 28/7	0,127	2,45	3,5	8,5
38000426	4 x AWG 26/7	0,160	2,70	5,4	11,0
38000424	4 x AWG 24/7	0,203	3,00	8,8	15,0
38000422	4 x AWG 22/7	0,254	3,40	13,8	21,0
38000420	4 x AWG 20/7	0,320	3,90	21,5	30,0
38000528	5 x AWG 28/7	0,127	2,65	4,3	11,0
38000526	5 x AWG 26/7	0,160	2,95	6,7	14,0
38000524	5 x AWG 24/7	0,203	3,35	11,0	20,0

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38000522	5 x AWG 22/7	0,254	3,75	17,3	27,0
38000520	5 x AWG 20/7	0,320	4,45	26,9	40,0
38000728	7 x AWG 28/7	0,127	2,90	6,0	13,0
38000726	7 x AWG 26/7	0,160	3,20	9,4	18,0
38000724	7 x AWG 24/7	0,203	3,60	15,5	25,0
38000722	7 x AWG 22/7	0,254	4,15	24,2	36,0
38000720	7 x AWG 20/7	0,320	4,80	37,6	52,0
38001028	10 x AWG 28/7	0,127	3,65	8,6	18,0
38001026	10 x AWG 26/7	0,160	4,15	13,4	26,0
38001024	10 x AWG 24/7	0,203	4,70	22,1	36,0
38001022	10 x AWG 22/7	0,254	5,45	34,6	52,0
38001020	10 x AWG 20/7	0,320	6,25	53,8	74,0
38001228	12 x AWG 28/7	0,127	3,75	10,4	21,0
38001226	12 x AWG 26/7	0,160	4,25	16,1	30,0
38001224	12 x AWG 24/7	0,203	4,85	26,5	42,0
38001222	12 x AWG 22/7	0,254	5,60	41,5	60,0
38001220	12 x AWG 20/7	0,320	6,50	64,5	87,0

Other dimensions and colours are possible on request.