

TD 832 CE ETFE data cable with extended temperature range and overall copper screen



Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	ETFE, 7Y11 acc. to VDE 0207 part 6
Colour code:	with reference to DIN VDE 47100
Stranding:	in layers
Wrapping:	PETP foil
Screen:	tinned copper braiding
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
- EAC approval

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/17

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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
38320228	2 x AWG 28/7	0,127	2,65	10,2	12,0
38320226	2 x AWG 26/7	0,160	2,85	11,2	14,0
38320224	2 x AWG 24/7	0,203	3,15	13,0	16,0
38320222	2 x AWG 22/7	0,254	3,50	17,2	20,0
38320220	2 x AWG 20/7	0,320	3,90	21,1	25,0
38320328	3 x AWG 28/7	0,127	2,80	11,1	14,0
38320326	3 x AWG 26/7	0,160	3,00	12,6	16,0
38320324	3 x AWG 24/7	0,203	3,30	15,2	19,0
38320322	3 x AWG 22/7	0,254	3,65	20,7	25,0
38320320	3 x AWG 20/7	0,320	4,15	28,2	34,0
38320428	4 x AWG 28/7	0,127	2,95	12,0	15,0
38320426	4 x AWG 26/7	0,160	3,20	13,9	18,0
38320424	4 x AWG 24/7	0,203	3,55	19,1	23,0
38320422	4 x AWG 22/7	0,254	3,90	25,9	30,0
38320420	4 x AWG 20/7	0,320	4,55	33,7	41,0
38320528	5 x AWG 28/7	0,127	3,15	12,9	18,0
38320526	5 x AWG 26/7	0,160	3,50	17,0	22,0
38320524	5 x AWG 24/7	0,203	3,85	21,4	28,0

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38320522	5 x AWG 22/7	0,254	4,40	29,4	38,0
38320520	5 x AWG 20/7	0,320	4,95	40,9	51,0
38320728	7 x AWG 28/7	0,127	3,45	16,3	21,0
38320726	7 x AWG 26/7	0,160	3,75	19,8	26,0
38320724	7 x AWG 24/7	0,203	4,20	27,6	35,0
38320722	7 x AWG 22/7	0,254	4,70	38,2	46,0
38320720	7 x AWG 20/7	0,320	5,45	53,6	65,0
38321028	10 x AWG 28/7	0,127	4,25	20,8	29,0
38321026	10 x AWG 26/7	0,160	4,70	25,7	35,0
38321024	10 x AWG 24/7	0,203	5,30	38,0	49,0
38321022	10 x AWG 22/7	0,254	5,95	52,2	65,0
38321020	10 x AWG 20/7	0,320	6,80	73,5	89,0
38321228	12 x AWG 28/7	0,127	4,40	22,5	32,0
38321226	12 x AWG 26/7	0,160	4,80	30,1	40,0
38321224	12 x AWG 24/7	0,203	5,50	42,4	55,0
38321222	12 x AWG 22/7	0,254	6,10	59,1	74,0
38321220	12 x AWG 20/7	0,320	7,00	86,1	103,0

Other dimensions and colours are possible on request.