

TD 834 CP PFA data cable with extended temperature range and overall copper screen



Construction:

Conductor:	nickel-plated copper strands acc. to ASTM B 286
Insulation:	PFA
Colour code:	with reference to DIN VDE 47100
Stranding:	in layers
Wrapping:	PTFE foil
Screen:	nickel-plated copper braiding
Sheath material:	PFA
Sheath colour:	white (RAL 1013)

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

Technical data:

Peak operating voltage:	max. 375 V
Testing voltage:	1500 V
Min. bending radius:	7.5 x d
Radiation resistance:	5 x 10 ⁶ cJ/kg
Temperature range	
<i>fixed laying:</i>	-90/+250 °C
<i>flexible application:</i>	-55/+250 °C
<i>limited time of use:</i>	+260 °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
38340228	2 x AWG 28/7	0,127	2,65	10,2	14,0
38340226	2 x AWG 26/7	0,160	2,85	11,2	15,0
38340224	2 x AWG 24/7	0,203	3,15	13,0	18,0
38340222	2 x AWG 22/7	0,254	3,50	17,2	23,0
38340220	2 x AWG 20/7	0,320	3,90	21,1	28,0
38340328	3 x AWG 28/7	0,127	2,80	11,1	16,0
38340326	3 x AWG 26/7	0,160	3,00	12,6	18,0
38340324	3 x AWG 24/7	0,203	3,30	15,2	21,0
38340322	3 x AWG 22/7	0,254	3,65	20,7	28,0
38340320	3 x AWG 20/7	0,320	4,15	28,2	38,0
38340428	4 x AWG 28/7	0,127	2,95	12,0	17,0
38340426	4 x AWG 26/7	0,160	3,20	13,9	21,0
38340424	4 x AWG 24/7	0,203	3,55	19,1	26,0
38340422	4 x AWG 22/7	0,254	3,90	25,9	34,0
38340420	4 x AWG 20/7	0,320	4,55	33,7	45,0
38340528	5 x AWG 28/7	0,127	3,15	12,9	20,0
38340526	5 x AWG 26/7	0,160	3,50	17,0	25,0
38340524	5 x AWG 24/7	0,203	3,85	21,4	31,0

item no.	dimension	nominal ø single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38340522	5 x AWG 22/7	0,254	4,40	29,4	42,0
38340520	5 x AWG 20/7	0,320	4,95	40,9	55,0
38340728	7 x AWG 28/7	0,127	3,45	16,3	24,0
38340726	7 x AWG 26/7	0,160	3,75	19,8	29,0
38340724	7 x AWG 24/7	0,203	4,20	27,6	39,0
38340722	7 x AWG 22/7	0,254	4,70	38,2	51,0
38340720	7 x AWG 20/7	0,320	5,45	53,6	71,0
38341028	10 x AWG 28/7	0,127	4,25	20,8	33,0
38341026	10 x AWG 26/7	0,160	4,70	25,7	40,0
38341024	10 x AWG 24/7	0,203	5,30	38,0	55,0
38341022	10 x AWG 22/7	0,254	5,95	52,2	72,0
38341020	10 x AWG 20/7	0,320	6,80	73,5	97,0
38341228	12 x AWG 28/7	0,127	4,40	22,5	36,0
38341226	12 x AWG 26/7	0,160	4,80	30,1	46,0
38341224	12 x AWG 24/7	0,203	5,50	42,4	62,0
38341222	12 x AWG 22/7	0,254	6,10	59,1	81,0
38341220	12 x AWG 20/7	0,320	7,00	86,1	112,0

Other dimensions and colours are possible on request.