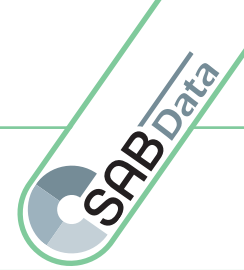


Halogen-free Cables



SABIX® D 345 FRNC TP

Paired data cable with improved fire performance, overall tinned copper shield, and extended temperature range



345 FRNC TP 3 x 2 x 0.25 mm² CE



Marking for SABIX® D 345 FRNC TP 63450325:

SAB BRÖCKSKES · D-VIERSEN · SABIX® D 345 FRNC TP 3 x 2 x 0.25 mm² CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	SABIX®
Color code:	DIN 47100, see below
Stranding:	pairwise, pairs in layers
Wrapping:	PETP foil
Shielding:	tinned copper braiding
Jacket material:	SABIX®
Jacket color:	grayish tan (RAL 7032)

Technical data:

Peak operating voltage:	< 24 AWG = max. 350 V ≥ 24 AWG = max. 500 V
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
Min. bending radius:	5 x O.D. 10 x O.D.
Temperature range:	static: -40/+85°C flexible: -30/+85°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Burning characteristics:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosivity:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	good
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

Outstanding features:

- low smoke halogen-free (LSHF)
- no flame propagation
- good EMC characteristics*
- flame retardant and self-extinguishing
- good transmission rates and crosstalk attenuation

*copper braiding should be connected circularly to optimize the EMC characteristics

item no.	no. of pairs	nominal outer-ø inch ±10% mm ±10%	cable weight ≈lbs/mft
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²			
63450214	2	0.213 5.4	27
63450314	3	0.232 5.9	32
63450414	4	0.272 6.9	42
63450514	5	0.291 7.4	47
63450614	6	0.299 7.6	50
63450814	8	0.323 8.2	55
63451014	10	0.35 8.9	69
63451214	12	0.382 9.7	75
63451614	16	0.413 10.5	89
63451814	18	0.437 11.1	105
63452414	24	0.504 12.8	137
▶ 24 AWG (≈ 14/34) ▪ 0.25 mm²			
63450225	2	0.232 5.9	30
63450325	3	0.268 6.8	42
63450425	4	0.283 7.2	48
63450525	5	0.319 8.1	56
63450625	6	0.327 8.3	63
63450825	8	0.354 9	70
63451025	10	0.386 9.8	91
63451225	12	0.429 10.9	104
63451625	16	0.469 11.9	130
63451825	18	0.5 12.7	148
63452425	24	0.567 14.4	192

item no.	no. of pairs	nominal outer-ø inch ±10% mm ±10%	cable weight ≈lbs/mft
▶ 22 AWG (≈ 7/30) ▪ 0.34 mm²			
63450234	2	0.283 7.2	44
63450334	3	0.307 7.8	55
63450434	4	0.346 8.8	66
63450534	5	0.374 9.5	76
63450634	6	0.382 9.7	84
63450834	8	0.425 10.8	104
63451234	12	0.528 13.4	151
63451634	16	0.583 14.8	193
63451834	18	0.602 15.3	213
63452434	24	0.693 17.6	271
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²			
63450250	2	0.299 7.6	50
63450350	3	0.327 8.3	63
63450450	4	0.37 9.4	78
63450550	5	0.402 10.2	87
63450650	6	0.409 10.4	102
63450850	8	0.457 11.6	124
63451050	10	0.52 13.2	156
63451250	12	0.567 14.4	183
63451650	16	0.642 16.3	244
63451850	18	0.665 16.9	263
63452450	24	0.748 19	328

item no.	no. of pairs	nominal outer-ø inch ±10% mm ±10%	cable weight ≈lbs/mft
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²			
63450275	2	0.335 8.5	66
63450375	3	0.37 9.4	79
63450475	4	0.429 10.9	107
63450575	5	0.461 11.7	122
63450675	6	0.492 12.5	144
63450875	8	0.594 15.1	202
63451275	12	0.673 17.1	262
63451675	16	0.732 18.6	318
63451875	18	0.76 19.3	349
63452475	24	0.858 21.8	433

Other dimensions and colors are available on request

DIN 47100 color code:

#1- white/brown, #2- green/yellow, #3- gray/pink, #4- blue/red, #5- black/purple, #6- gray-pink/red-blue, #7- white-green/brown-green, #8- white-yellow/yellow-brown, #9- white-gray/gray-brown, #10- white-pink/pink-brown, #11- white-blue/brown-blue, #12- white-red/brown-red, #13- white-black/brown-black, #14- gray-green/yellow-gray, #15- pink-green/yellow-pink, #16- green-blue/yellow-blue, #17- green-red/yellow-red, #18- green-black/yellow-black, #19- gray-blue/pink-blue, #20- gray-red/pink-red, #21- gray-black/pink-black, #22- blue-black, red-black, #23- white/brown, #24- green/yellow

