

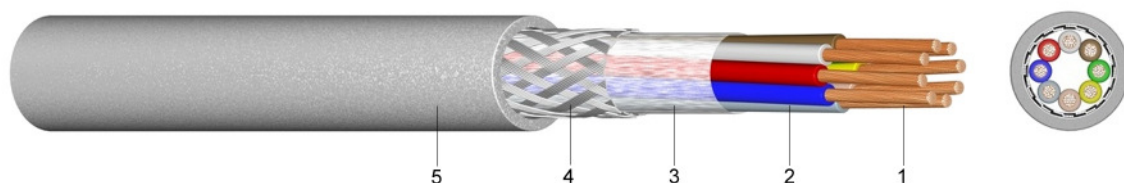
Datasheet S 369 C TP

Version 1/2009

PUR Cable Chain Data Cable with Copper Braiding

Application:

This highly flexible pair wise stranded cable chain data cable is best suited for different industrial areas such as machine construction, the automobile and communications industry, as well as for steering, controlling and measuring machinery. It is particularly useful for machinery that is put to prolonged use, such as machine controls. The paired cable suppresses electrical couplings of individual signals whilst effectively lowering near- and crosstalk attenuation. The copper braiding should be fully connected to optimise protection against high frequency external interference (EMC).



Construction:

- 1 very fine-stranded bare copper
- 2 core insulation of thermoplastic polyester elastomer (TPE-E) or polypropylene (PP)
- 3 wrapping of fine cotton binding
- 4 screen of tinned copper braiding
- 5 outer sheath of polyurethane (PUR), grey, poor in adhesion, oil and abrasion resistant

Information:

nominal voltage:
till 0,34mm² 250 Volt
from 0,50mm² 350 Volt

According to:

adapted to DIN VDE 0812
DIN EN 60228 class 6 (construction)
adapted to DIN 47100 or factory style (core identification)

Technical data:

<u>Ceiling voltage</u>	[V]	till 0,34mm ²	250 Volt
	[V]	from 0,50mm ²	350 Volt
Test voltage		[V] _{AC}	1500
Temperature range	in motion		-30°C till +80°C
Bending radius	min.	x diameter	7,5
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,14	17	0,10	6,1	42
3 x 2 x 0,14	21	0,10	6,4	54
4 x 2 x 0,14	28	0,10	6,9	59
5 x 2 x 0,14	38	0,10	7,4	75
6 x 2 x 0,14	51	0,10	7,6	91
8 x 2 x 0,14	57	0,10	8,7	109
10 x 2 x 0,14	63	0,10	10,1	120

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
2 x 2 x 0,25	33	0,10	7,1	62
3 x 2 x 0,25	40	0,10	7,4	68
4 x 2 x 0,25	46	0,10	8,4	97
5 x 2 x 0,25	53	0,10	9,0	105
6 x 2 x 0,25	75	0,10	9,8	133
8 x 2 x 0,25	77	0,10	11,5	153
10 x 2 x 0,25	95	0,10	12,8	191
14 x 2 x 0,25	114	0,10	13,4	214
2 x 2 x 0,34	27	0,10	6,1	50
3 x 2 x 0,34	35	0,10	6,4	54
4 x 2 x 0,34	45	0,10	7,0	66
5 x 2 x 0,34	56	0,10	7,5	77
6 x 2 x 0,34	63	0,10	8,4	99
8 x 2 x 0,34	88	0,10	9,4	122
10 x 2 x 0,34	98	0,10	10,5	146
2 x 2 x 0,5	53	0,16	9,3	102
3 x 2 x 0,5	75	0,16	10,0	127
4 x 2 x 0,5	77	0,16	11,1	152
5 x 2 x 0,5	88	0,16	11,9	171
6 x 2 x 0,5	105	0,16	12,8	195
8 x 2 x 0,5	149	0,16	15,7	251
10 x 2 x 0,5	182	0,16	17,6	348
2 x 2 x 0,75	63	0,16	9,7	113
3 x 2 x 0,75	90	0,16	10,9	161
4 x 2 x 0,75	105	0,16	11,5	170
5 x 2 x 0,75	119	0,16	12,5	205
6 x 2 x 0,75	139	0,16	13,4	229
8 x 2 x 0,75	199	0,16	16,4	345
10 x 2 x 0,75	267	0,16	19,3	459
12 x 2 x 0,75	286	0,16	16,4	351