

Signal and Control cables, inner insulation TPE-E with PUR jacket

BC418



Technical data: BC418 - 419

Nominal voltage:

sect.0,34 mm ²	300 V
sect.0,5-2,5 mm ²	600 V

Testing voltage:

sect.0,34 mm ²	1500 V
sect.0,5-2,5 mm ²	2000 V

Temperature range:

from -30°C to +80°C

Speed:

300 m/min

Acceleration:

25 m/s²

Burning characteristics:

IEC 60332.1
VDE 0472-804 test B,

Oil resistance:

VDE 0472 part 803/B,
UL 1581,

Homologation UL/CSA:

UL-AWM 80°C - 600V
CSA-AWM 80°C - 600V FT1

Construction

Conductor:

High-flexible class 6 complying with:
VDE 0295, IEC 60228

Insulation:

TPE-E

Core ident. :

sect.0,34 mm²
colour complying with DIN 47100
sect.0,5-2,5 mm²
black num. +G/Y complying with
VDE 0293,
CEI UNEL 00725-74

Core assembling:

special multi-ply with soft strip
on outer layer

Jacket material:

PUR complying with standard
UL/CSA, colour black

Shielding, only for BC419

Tinned copper braid: > 80%

Item no.	no. of cores x section n x mm ²	Diameter Ø mm	Bending radius* mm	Copper weight kg/km	Cable weight kg/km
4180303	3x0,34	4,30	22	10	36
4180503	5x0,34	5,00	25	16	62
4180703	7x0,34	5,70	29	23	71
4181203	12x0,34	6,60	33	40	117
4181803	18x0,34	7,80	39	59	157
4182503	25x0,34	9,60	48	82	218
4180305	3G0,50	5,95	30	15	40
4180505	5G0,50	6,85	34	24	55
4180705	7G0,50	7,95	40	34	76
4181205	12G0,50	9,15	46	58	114
4181805	18G0,50	10,60	53	86	165
4182505	25G0,50	12,80	63	120	219
4180310	3G1,0	6,90	35	29	61
4180510	5G1,0	8,25	41	48	93
4180710	7G1,0	9,35	47	67	122
4181210	12G1,0	10,90	56	115	196
4181810	18G1,0	12,70	64	173	274
4182510	25G1,0	15,20	76	240	385
4183610	36G1,0	17,5	88	361	560
4180415	4G1,5	8,35	42	58	100
4180515	5G1,5	9,05	45	72	128
4180715	7G1,5	10,44	52	101	177
4181215	12G1,5	12,43	62	173	275
4181815	18G1,5	14,65	73	260	405
4182515	25G1,5	17,30	87	360	565
4180425	4G2,5	9,30	47	96	150
4180525	5G2,5	10,20	51	125	176
4180725	7G2,5	11,80	59	168	238
4181225	12G2,5	15,70	160	288	400
4181825	18G2,5	18,70	140	441	650
4182525	25G2,5	22,10	245	580	900



* self-supporting chains; bending radius for sliding chains = 7,5 x outer cable diameter

Signal and Control cables inner insulation TPE-E Shielded with PUR jacket

BC419



Item no.	no. of cores x section n x mm ²	Diameter Ø mm	Bending radius* mm	Copper weight kg/km	Cable weight kg/km
4190303	3x0,34	4,70	24	19	56
4190503	5x0,34	5,40	27	28	76
4190703	7x0,34	6,40	32	36	95
4191203	12x0,34	7,20	36	58	163
4191803	18x0,34	8,30	42	85	198
4192503	25x0,34	10,10	51	122	297
4190305	3G0,50	6,90	35	39	79
4190505	5G0,50	7,70	39	54	107
4190705	7G0,50	8,70	44	70	132
4191205	12G0,50	10,20	51	100	190
4191805	18G0,50	11,50	58	153	245
4192505	25G0,50	13,60	68	202	367
4190310	3G1,0	7,70	39	57	109
4190510	5G1,0	8,90	45	81	147
4190710	7G1,0	10,00	50	110	196
4191210	12G1,0	11,80	59	182	292
4191810	18G1,0	13,70	69	254	418
4192510	25G1,0	16,20	81	365	575
4190415	4G1,5	9,10	46	91	136
4190515	5G1,5	9,70	49	112	198
4190715	7G1,5	11,00	55	145	254
4191215	12G1,5	13,10	66	247	416
4191815	18G1,5	15,20	76	348	564
4192515	25G1,5	18,50	93	498	811
4190425	4G2,5	10,20	51	145	203
4190725	7G2,5	13,00	65	235	343
4191225	12G2,5	15,50	77	378	499
4191825	18G2,5	20,60	103	600	760
4192525	25G2,5	23,90	120	835	1085



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Speed: 300 m/min
Acceleration: 25 m/s²

Small outer dimension

Min. bending radius

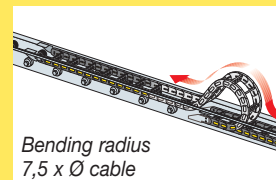
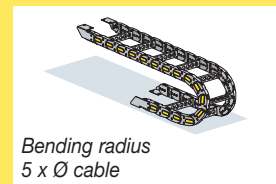
Complying with UL and CSA for the European and USA market

Nominal voltage 300V UL/CSA
sect. ≤ 0,34 mm²

Nominal voltage 600V UL/CSA
sect. ≥ 0,34 mm²

Polyurethan jacket resistant to hydrolysis, microbics and oils

Suitable for outdoor applications at -30°C



For further information please consult Brevetti Stendalto's Technical Office

* self-supporting chains; bending radius for sliding chains = 7,5 x outer cable diameter