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BiT LiYY

Flexible control cables with coloured conductors, rated 300/300V

RoHS 2011/65/EU

LVD 2014/35/EU

CPR

CPR 305/2011

2 years warranty




industrial application


internal application


EN 60332-1


high flexibility

Technical data:

Operating temperature:
Fixed installation: -40°C to 80°C
Flexible connections: -5°C to 80°C
Operating voltage: U_0/U=300/300V
Test voltage: 1500V
Insulation resistance: 20MΩxkm
Approximate capacitance (at 800Hz): 150pF/m
Approximate inductance: 0,65mH/km
Min. bending radius:
Flexible connections: 7,5xØ
Fixed installation: 4xØ

Construction:

Conductors: bare, annealed copper conductors, multi-stranded class 5 acc. to EN 60228
Insulation: special PVC
Core identification: colours as per DIN 47100
Core arrangement: cores twisted together or pairs twisted together
Outer sheath: special PVC, oil resistant (see table of chemical resistance), self-extinguishing and flame retardant (acc. to EN 60332-1)
Outer sheath colour: grey

Application:

Cables designed for signalling control circuits, control circuits in industrial applications, in measurement technology and for analogue and digital signals transmission in electronic industrial and automatic control engineering systems. For fixed installations and mobile/portable devices. Suitable for usage in internal systems, in both dry and damp rooms. Core arrangement ensures asymmetry attenuation of 10 dB. In the environment with considerable electromagnetic interference we recommend using a screened version - BiT LiYCY. Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30079	2x0,5	4,7	33	9,6
S30080	3x0,5	5,0	40	14,4
S30081	4x0,5	5,5	48	19,2
S30082	5x0,5	6,0	58	24,0
S30083	6x0,5	6,5	68	28,8
S30084	7x0,5	6,5	72	33,6
S30085	8x0,5	7,4	82	38,4
S30086	10x0,5	8,4	97	48,0
S30087	12x0,5	8,7	112	57,6
S30088	14x0,5	9,1	128	67,2
S30089	16x0,5	9,6	144	76,8
S30090	18x0,5	10,1	162	86,4
S30091	20x0,5	10,9	184	96,0
S30092	21x0,5	10,9	188	100,8
S30094	27x0,5	12,7	252	129,6
S30095	30x0,5	13,2	268	144,0
S30097	37x0,5	14,2	322	177,6
S30098	40x0,5	15,3	360	192,0
S30099	44x0,5	16,3	404	211,2
S30101	48x0,5	16,6	430	230,4
S30102	52x0,5	17,0	460	249,6
S30103	56x0,5	17,5	492	268,8
S30104	61x0,5	18,1	530	298,8
S30105	2x0,75	5,1	41	14,4
S30106	3x0,75	5,4	50	21,6
S30107	4x0,75	6,0	60	28,8
S30108	5x0,75	6,5	74	36,0
S30109	6x0,75	7,1	88	43,2
S30110	7x0,75	7,1	92	50,4
S30111	8x0,75	8,0	105	57,6

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30112	10x0,75	9,2	124	72,0
S30113	12x0,75	9,5	144	86,4
S30114	14x0,75	10,0	165	100,8
S30115	16x0,75	10,8	192	115,2
S30116	18x0,75	11,3	216	129,6
S30117	20x0,75	11,9	240	144,0
S30118	21x0,75	11,9	245	151,2
S30120	27x0,75	14,2	330	194,4
S30121	30x0,75	14,4	348	216,0
S30123	37x0,75	15,8	427	266,4
S30124	40x0,75	17,2	465	288,0
S30127	2x1,0	5,8	53	19,2
S30128	3x1,0	6,2	65	28,8
S30129	4x1,0	6,8	79	38,4
S30130	5x1,0	7,6	100	48,0
S30131	6x1,0	8,3	120	57,6
S30132	7x1,0	8,3	125	67,2
S30133	8x1,0	9,2	137	76,8
S30134	10x1,0	10,8	169	96,0
S30135	12x1,0	11,1	196	115,2
S30136	14x1,0	11,7	223	134,4
S30137	16x1,0	12,4	255	153,6
S30138	18x1,0	13,5	300	172,8
S30139	20x1,0	14,1	332	192,0
S30149	2x1,5	6,2	65	28,8
S30150	3x1,5	6,6	81	43,2
S30151	4x1,5	7,5	103	57,6
S30152	5x1,5	8,2	125	72,0
S30153	6x1,5	8,9	150	86,4
S30154	7x1,5	8,9	160	100,8

BiT LiYY

Flexible control cables with coloured conductors, rated 300/300V

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30155	8x1,5	9,9	174	115,2
S30156	10x1,5	11,6	215	144,0
S30157	12x1,5	12,0	250	172,8
S30158	14x1,5	12,6	285	201,6
S30159	16x1,5	13,7	338	230,4
S30160	18x1,5	14,5	380	259,2
S30161	20x1,5	15,4	430	288,0
S30171	2x2,5	7,8	104	48,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30172	3x2,5	8,4	130	72,0
S30173	4x2,5	9,3	160	96,0
S30174	5x2,5	10,2	196	120,0
S30175	6x2,5	11,3	240	144,0
S30176	7x2,5	11,3	255	168,0
S30177	8x2,5	13,0	290	192,0
S30178	10x2,5	14,9	350	240,0
S30179	12x2,5	15,6	415	288,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice
Note: On customer's request other cross sections or number of cores can be produced

paired cables

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30342	2x2x0,5	6,9	55	19,2
S30343	3x2x0,5	8,0	67	28,8
S30344	4x2x0,5	8,7	83	38,4
S30345	5x2x0,5	9,4	105	48,0
S30346	6x2x0,5	9,7	114	57,6
S30347	7x2x0,5	11,2	138	67,2
S30348	8x2x0,5	11,7	153	76,8
S30349	10x2x0,5	12,6	185	96,0
S30350	12x2x0,5	13,8	228	115,2
S30351	14x2x0,5	14,7	260	134,4
S30352	16x2x0,5	16,0	305	153,6
S30353	18x2x0,5	16,7	330	172,8
S30354	20x2x0,5	17,2	360	192,0
S30355	24x2x0,5	17,7	420	230,4
S30360	2x2x0,75	7,7	73	28,8
S30361	3x2x0,75	8,7	85	43,2
S30362	4x2x0,75	9,5	106	57,6
S30363	5x2x0,75	10,3	134	72,0
S30365	7x2x0,75	12,2	176	100,8
S30367	10x2x0,75	14,2	252	144,0
S30368	12x2x0,75	15,4	301	172,8

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30369	14x2x0,75	16,3	343	201,6
S30370	16x2x0,75	17,5	395	230,4
S30371	18x2x0,75	18,5	437	259,2
S30377	2x2x1,0	8,9	94	38,8
S30378	3x2x1,0	10,0	110	57,6
S30379	4x2x1,0	11,1	143	76,8
S30380	5x2x1,0	12,1	181	97,0
S30382	7x2x1,0	14,5	245	134,4
S30384	10x2x1,0	16,6	338	192,0
S30385	12x2x1,0	17,7	395	232,8
S30386	14x2x1,0	19,1	460	268,8
S30387	16x2x1,0	20,4	530	307,2
S30388	18x2x1,0	21,6	585	345,6
S30394	2x2x1,5	9,5	116	57,6
S30395	3x2x1,5	11,0	142	86,4
S30396	4x2x1,5	12,0	180	115,2
S30397	5x2x1,5	13,4	240	144,0
S30399	7x2x1,5	15,8	315	201,6
S30401	10x2x1,5	17,8	427	288,0
S30402	12x2x1,5	19,3	510	345,6
S30403	14x2x1,5	20,7	595	403,2
S30404	16x2x1,5	22,2	680	460,8

Cable Factory BITNER reserves the right to modify the specifications without prior notice
Note: On customer's request other cross sections or number of cores can be produced

BiT LiYCY

Flexible control cables with coloured conductors, rated 300/300V

RoHS 2011/65/EU

LVD 2014/35/EU

CPR 305/2011

2 years warranty



industrial application | internal application | EN 60332-1 | high flexibility | EMC

Technical data:

Operating temperature:
Fixed installation: -40°C to 80°C
Flexible connections: -5°C to 80°C
Operating voltage: U_0/U=300/300V
Test voltage (50Hz): 1500V
Insulation resistance: 20MΩxkm
Approximate capacitance (at 800Hz):
Core/core - 150pF/m
Core/screen - 270pF/m
Approximate inductance: 0,65mH/km
Min. bending radius:
Flexible connections: 10xØ
Fixed installation: 5xØ

Construction:

Conductors: bare, annealed copper conductors, multi-stranded class 5 acc. to EN 60228
Insulation: special PVC
Core identification: colours as per DIN 47100
Core arrangement: cores twisted together or pairs twisted together
Screen: tinned copper wire braid with coverage ≥ 85%
Outer sheath: special PVC, oil resistant (see table of chemical resistance), self-extinguishing and flame retardant (acc. to EN 60332-1)
Outer sheath colour: grey

Application:

The cables are intended for signalling control circuits, control circuits in industrial applications, in measurement technology and for analogue and digital signals transmission in electronic industrial and automatic control engineering systems. For fixed installations and mobile/portable devices. Suitable for use indoors, in both dry and damp rooms. A common screen of tinned copper wire braid ensures very good protection against external electromagnetic fields (approximately 50 dB).
Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30587	2x0,5	5,3	42	28,0
S30588	3x0,5	5,6	50	37,0
S30589	4x0,5	6,2	58	43,0
S30590	5x0,5	6,7	74	51,0
S30591	6x0,5	7,2	85	64,0
S30592	7x0,5	7,2	88	65,0
S30593	8x0,5	8,0	100	68,0
S30594	10x0,5	9,1	120	88,0
S30595	12x0,5	9,3	134	98,0
S30596	14x0,5	9,8	150	120,0
S30597	16x0,5	10,5	175	129,0
S30598	18x0,5	11,0	193	138,0
S30599	20x0,5	11,7	211	149,0
S30600	21x0,5	11,7	214	158,0
S30602	27x0,5	13,4	271	209,0
S30603	30x0,5	13,8	294	230,0
S30605	37x0,5	15,1	356	290,0
S30606	40x0,5	16,3	390	311,0
S30607	44x0,5	17,3	442	332,0
S30609	48x0,5	17,5	470	353,0
S30610	52x0,5	18,0	503	385,0
S30611	56x0,5	18,6	537	408,0
S30613	61x0,5	19,1	577	432,0
S30615	2x0,75	5,8	50	36,0
S30616	3x0,75	6,1	59	47,0
S30617	4x0,75	6,7	75	56,0
S30618	5x0,75	7,2	88	65,0
S30619	6x0,75	7,9	104	83,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30620	7x0,75	7,9	109	88,0
S30621	8x0,75	8,7	125	102,0
S30622	10x0,75	9,9	148	118,0
S30623	12x0,75	10,2	173	142,0
S30624	14x0,75	10,8	193	153,0
S30625	16x0,75	11,5	217	167,0
S30626	18x0,75	12,4	251	181,0
S30627	20x0,75	13,1	275	217,0
S30628	21x0,75	13,1	280	226,0
S30631	27x0,75	14,8	348	280,0
S30632	30x0,75	15,3	383	308,0
S30635	37x0,75	17,8	465	342,0
S30636	40x0,75	19,0	522	393,0
S30637	2x1,0	6,5	58	43,0
S30638	3x1,0	6,9	76	56,0
S30639	4x1,0	7,6	92	68,0
S30640	5x1,0	8,3	110	79,0
S30641	6x1,0	9,0	131	96,0
S30642	7x1,0	9,0	137	111,0
S30643	8x1,0	9,9	159	128,0
S30644	10x1,0	11,4	194	140,0
S30645	12x1,0	11,7	220	164,0
S30646	14x1,0	12,7	256	196,0
S30647	16x1,0	13,5	291	218,0
S30648	18x1,0	14,3	330	252,0
S30649	20x1,0	15,2	365	268,0
S30650	21x1,0	15,2	370	278,0
S30653	27x1,0	17,4	479	360,0

BiT LiYCY

Flexible control cables with coloured conductors, rated 300/300V

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30654	30x1,0	17,9	521	392,0
S30656	37x1,0	19,4	625	485,0
S30657	2x1,5	7,1	74	58,0
S30658	3x1,5	7,5	94	72,0
S30659	4x1,5	8,4	116	96,0
S30660	5x1,5	9,1	141	116,0
S30661	6x1,5	9,9	169	142,0
S30662	7x1,5	9,9	177	152,0
S30663	8x1,5	11,0	210	168,0
S30664	10x1,5	13,0	259	188,0
S30665	12x1,5	13,4	295	254,0
S30666	14x1,5	14,2	340	272,0
S30667	16x1,5	15,1	386	285,0
S30668	18x1,5	15,8	431	350,0
S30669	20x1,5	17,2	502	387,0
S30670	21x1,5	17,2	510	402,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30673	27x1,5	19,3	632	502,0
S30674	30x1,5	20,0	690	546,0
S30676	37x1,5	21,7	834	682,0
S30677	2x2,5	8,5	126	96,0
S30678	3x2,5	9,0	168	118,0
S30679	4x2,5	10,0	195	147,0
S30680	5x2,5	10,9	210	176,0
S30681	6x2,5	11,9	278	212,0
S30682	7x2,5	11,9	296	235,0
S30683	8x2,5	13,6	345	262,0
S30684	10x2,5	15,8	403	313,0
S30685	12x2,5	16,5	540	365,0
S30686	14x2,5	17,5	589	428,0
S30687	16x2,5	18,7	640	512,0
S30688	18x2,5	19,6	681	570,0
S30689	20x2,5	21,1	762	608,0
S30690	21x2,5	21,1	816	632,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice
Note: On customer's request other cross sections or number of cores can be produced

paired cables

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30849	2x2x0,5	7,7	82	40,9
S30850	3x2x0,5	8,6	92	50,5
S30851	4x2x0,5	9,3	111	69,7
S30852	5x2x0,5	10,0	137	82,9
S30853	6x2x0,5	10,3	149	96,3
S30854	7x2x0,5	11,8	174	105,8
S30855	8x2x0,5	12,3	191	117,8
S30856	10x2x0,5	13,6	237	143,5
S30857	12x2x0,5	14,4	272	162,4
S30858	14x2x0,5	15,5	314	185,4
S30859	16x2x0,5	16,8	370	225,7
S30860	18x2x0,5	17,5	399	251,9
S30861	20x2x0,5	18,0	431	276,4
S30862	24x2x0,5	18,7	499	321,1
S30864	2x2x0,75	8,3	97	61,4
S30865	3x2x0,75	9,3	112	75,3
S30866	4x2x0,75	10,1	141	93,1
S30867	5x2x0,75	11,1	177	111,5
S30869	7x2x0,75	13,2	228	144,0
S30871	10x2x0,75	14,8	297	196,6
S30872	12x2x0,75	16,0	349	245,4

Cat. no.	nx2mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S30873	14x2x0,75	17,1	410	281,6
S30874	16x2x0,75	18,5	476	314,2
S30875	18x2x0,75	19,3	512	351,3
S30877	2x2x1,0	9,5	121	69,7
S30878	3x2x1,0	10,8	150	91,8
S30879	4x2x1,0	11,7	179	113,0
S30880	5x2x1,0	13,1	232	137,3
S30882	7x2x1,0	15,3	298	179,0
S30884	10x2x1,0	17,4	405	273,9
S30885	12x2x1,0	18,7	476	307,2
S30886	14x2x1,0	19,9	538	364,4
S30887	16x2x1,0	21,4	622	409,5
S30888	18x2x1,0	22,4	673	455,9
S30890	2x2x1,5	10,1	145	91,8
S30891	3x2x1,5	11,6	178	122,7
S30892	4x2x1,5	12,6	218	162,2
S30893	5x2x1,5	14,0	285	196,6
S30895	7x2x1,5	16,4	366	267,9
S30897	10x2x1,5	18,8	508	367,7
S30898	12x2x1,5	20,1	588	430,8
S30899	14x2x1,5	21,5	678	494,4
S30900	16x2x1,5	23,0	774	556,4

Cable Factory BITNER reserves the right to modify the specifications without prior notice
Note: On customer's request other cross sections or number of cores can be produced

BiT LiHH

Flexible, halogen-free control cables with coloured conductors, 300/300V

RoHS 2011/65/EU

LVD 2014/35/EU

CPR

CPR 305/2011

2 years warranty





industrial application | internal application | EN 60332-1 | EN 60332-3 | oxygen index | halogen-free EN 60754 | low smoke emission EN 61034 | high flexibility

Technical data:

Operating temperature:
Fixed installation: -40°C to 80°C
Flexible connections: -5°C to 80°C
Operating voltage: U_0/U=300/300V
Test voltage: 1500V
Insulation resistance: 20MΩxkm
Approximate capacitance (at 800Hz): 150pF/m
Approximate inductance: 0,65mH/km
Min. bending radius:
Flexible connections: 10xØ
Fixed installation: 5xØ

Construction:

Conductors: multi-stranded copper conductors, EN 60228 cl.5
Insulation: special halogen-free compound
Conductor marking: colours as per DIN 47100
Core arrangement: cores twisted together or pairs twisted together
Sheath: special halogen-free compound, self-extinguishing and highly flame retardant with LOI>29 (as per EN 60332-1,EN 60332-3-24 cat. C)
Sheath colour: grey, on customer's request black

Application:

Cables designed for signalling control circuits, control circuits in industrial applications, in measurement technology, for analogue and digital signals transmission in electronic industrial and automatic control engineering systems. For fixed installations and mobile/portable devices. Suitable for usage in internal systems, in both dry and damp rooms. Core arrangement ensures asymmetry attenuation of 10 dB. In the environment with considerable electromagnetic interference we recommend using a screened version - BiT LiHCH.
Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33069	2x0,5	4,7	33	9,6
S33070	3x0,5	5,0	40	14,4
S33071	4x0,5	5,5	48	19,2
S33072	5x0,5	6,0	58	24,0
S33073	6x0,5	6,5	68	28,8
S33074	7x0,5	6,5	72	33,6
S33075	8x0,5	7,4	82	38,4
S33076	10x0,5	8,4	97	48,0
S33077	12x0,5	8,7	112	57,6
S33078	14x0,5	9,1	128	67,2
S33079	16x0,5	9,6	144	76,8
S33080	18x0,5	10,1	162	86,4
S33081	20x0,5	10,9	184	96,0
S33082	21x0,5	10,9	188	100,8
S33083	27x0,5	12,7	252	129,6
S33084	30x0,5	13,2	268	144,0
S33085	37x0,5	14,2	322	177,6
S33086	40x0,5	15,3	360	192,0
S33087	44x0,5	16,3	404	211,2
S33088	48x0,5	16,6	430	230,4
S33089	52x0,5	17,0	460	249,6
S33090	56x0,5	17,5	492	268,8
S33091	61x0,5	18,1	530	298,8
S33092	2x0,75	5,1	41	14,4
S33093	3x0,75	5,4	50	21,8
S33094	4x0,75	6,0	60	28,8
S33095	5x0,75	6,5	74	36,0
S33096	6x0,75	7,1	88	43,2
S33097	7x0,75	7,1	92	50,4
S33098	8x0,75	8,0	105	57,6

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33099	10x0,75	9,2	124	72,0
S33100	12x0,75	9,5	144	86,4
S33101	14x0,75	10,0	165	100,8
S33102	16x0,75	10,8	192	115,2
S33103	18x0,75	11,3	216	129,6
S33104	20x0,75	11,9	240	144,0
S33105	21x0,75	11,9	245	151,2
S33106	27x0,75	14,2	330	194,4
S33107	30x0,75	14,4	348	216,0
S33108	37x0,75	15,8	427	266,4
S33109	40x0,75	17,2	465	284,0
S33110	2x1,0	5,8	53	19,2
S33111	3x1,0	6,2	65	28,8
S33112	4x1,0	6,8	79	38,4
S33113	5x1,0	7,6	100	48,0
S33114	6x1,0	8,3	120	57,6
S33115	7x1,0	8,3	125	67,2
S33116	8x1,0	9,2	137	76,8
S33117	10x1,0	10,8	169	96,0
S33118	12x1,0	11,1	196	115,2
S33119	14x1,0	11,7	223	134,4
S33120	16x1,0	12,4	255	153,6
S33121	18x1,0	13,5	300	172,8
S33122	20x1,0	14,1	332	192,0
S33123	2x1,5	6,2	65	28,8
S33124	3x1,5	6,6	81	43,2
S33125	4x1,5	7,5	103	57,6
S33126	5x1,5	8,2	125	72,0
S33127	6x1,5	8,9	150	86,4
S33128	7x1,5	8,9	160	100,8

BiT LiHH

Flexible, halogen-free control cables with coloured conductors, 300/300V

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33129	8x1,5	9,9	174	115,2
S33130	10x1,5	11,6	215	144,0
S33131	12x1,5	12,0	250	172,8
S33132	14x1,5	12,6	285	201,6
S33133	16x1,5	13,7	338	230,4
S33134	18x1,5	14,5	380	259,2
S33135	20x1,5	15,4	430	288,0
S33136	2x2,5	7,8	104	48,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33137	3x2,5	8,4	130	72,0
S33138	4x2,5	9,3	160	96,0
S33139	5x2,5	10,2	196	120,0
S33140	6x2,5	11,3	240	144,0
S33141	7x2,5	11,3	255	168,0
S33142	8x2,5	13,0	290	192,0
S33143	10x2,5	14,9	350	240,0
S33144	12x2,5	15,6	415	288,0

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paired cables

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33442	2x2x0,5	6,9	55	19,2
S33443	3x2x0,5	8,0	67	28,8
S33444	4x2x0,5	8,7	83	38,4
S33445	5x2x0,5	9,4	105	48,0
S33446	6x2x0,5	9,7	114	57,6
S33447	7x2x0,5	11,2	138	67,2
S33448	8x2x0,5	11,7	153	76,8
S33449	10x2x0,5	12,6	185	96,0
S33450	12x2x0,5	13,8	228	115,2
S33451	14x2x0,5	14,7	260	134,4
S33452	16x2x0,5	16,0	305	153,6
S33453	18x2x0,5	16,7	330	172,8
S33454	20x2x0,5	17,2	360	192,0
S33455	24x2x0,5	17,7	420	230,4
S33456	2x2x0,75	7,7	73	28,8
S33457	3x2x0,75	8,7	85	43,2
S33458	4x2x0,75	9,5	106	57,6
S33459	5x2x0,75	10,3	134	72,0
S33460	7x2x0,75	12,2	176	100,8
S33461	10x2x0,75	14,2	252	144,0
S33462	12x2x0,75	15,4	301	172,8

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33463	14x2x0,75	16,3	343	201,6
S33464	16x2x0,75	17,5	395	230,4
S33465	18x2x0,75	18,5	437	259,2
S33466	2x2x1,0	8,9	94	38,8
S33467	3x2x1,0	10,0	110	57,6
S33468	4x2x1,0	11,1	143	76,8
S33469	5x2x1,0	12,1	181	97,0
S33470	7x2x1,0	14,5	245	134,4
S33471	10x2x1,0	16,6	338	192,0
S33472	12x2x1,0	17,7	395	232,8
S33473	14x2x1,0	19,1	460	268,8
S33474	16x2x1,0	20,4	530	307,2
S33475	18x2x1,0	21,6	585	345,6
S33476	2x2x1,5	9,5	116	57,6
S33477	3x2x1,5	11,0	142	86,4
S33478	4x2x1,5	12,0	180	115,2
S33479	5x2x1,5	13,4	240	144,0
S33480	7x2x1,5	15,8	315	201,6
S33481	10x2x1,5	17,8	427	288,0
S33482	12x2x1,5	19,3	510	345,6
S33483	14x2x1,5	20,7	595	403,2
S33484	16x2x1,5	22,2	680	460,8

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BiT LiHCH

Flexible, screened, halogen-free control cables with coloured conductors, 300/300V

RoHS 2011/65/EU

LVD 2014/35/EU

CPR

CPR 305/2011

2 years warranty




industrial application


internal application


EN 60332-1


EN 60332-3



oxygen index



halogen-free EN 60754


low smoke emission EN 61034


high flexibility



EMC

Technical data:

Operating temperature:
Fixed installation: -40°C to 80°C
Flexible connections: -5°C to 80°C
Operating voltage: U_0/U=300/300V
Test voltage: 1500V
Insulation resistance: 20MΩxkm
Approximate capacitance (at 800Hz):
Core/core - 150pF/m
Core/screen - 270pF/m
Approximate inductance: 0,65mH/km
Min. bending radius:
Flexible connections: 10xØ
Fixed installation: 5xØ

Construction:

Conductors: multi-stranded copper conductors, EN 60228 cl.5
Insulation: special halogen-free compound
Conductor marking: colours as per DIN 47100
Core arrangement: cores twisted together or pairs twisted together
Screen: tinned copper wire braid with coverage of ≥85%
Sheath: special halogen-free compound, self-extinguishing and highly flame retardant with LOI>29 (as per EN 60332-1, EN 60332-3-24 cat. C)
Sheath colour: grey, on customer's request black

Application:

The cables are intended for signalling control circuits, control circuits in industrial applications, in measurement technology, for analogue and digital signals transmission in electronic industrial and automatic control engineering systems. For fixed installations and mobile/portable devices. Suitable for use indoors, in both dry and damp rooms. A common screen of tinned copper wire braid ensures very good protection against external electromagnetic fields (approximately 50 dB).
Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S32869	2x0,5	5,3	42	28,0
S32870	3x0,5	5,6	50	37,0
S32871	4x0,5	6,2	58	43,0
S32872	5x0,5	6,7	74	51,0
S32873	6x0,5	7,2	85	64,0
S32874	7x0,5	7,2	88	65,0
S32875	8x0,5	8,0	100	68,0
S32876	10x0,5	9,1	120	88,0
S32877	12x0,5	9,3	134	98,0
S32878	14x0,5	9,8	150	120,0
S32879	16x0,5	10,5	175	129,0
S32880	18x0,5	11,0	193	138,0
S32881	20x0,5	11,7	211	149,0
S32882	21x0,5	11,7	214	158,0
S32883	27x0,5	13,4	271	209,0
S32884	30x0,5	13,8	294	230,0
S32885	37x0,5	15,1	356	290,0
S32886	40x0,5	16,3	390	311,0
S32887	44x0,5	17,3	442	332,0
S32888	48x0,5	17,5	470	353,0
S32889	52x0,5	18,0	503	385,0
S32890	56x0,5	18,6	537	408,0
S32891	61x0,5	19,1	577	432,0
S32892	2x0,75	5,8	50	36,0
S32893	3x0,75	6,1	59	47,0
S32894	4x0,75	6,7	75	56,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S32895	5x0,75	7,2	88	65,0
S32896	6x0,75	7,9	104	83,0
S32897	7x0,75	7,9	109	88,0
S32898	8x0,75	8,7	125	102,0
S32899	10x0,75	9,9	148	118,0
S32900	12x0,75	10,2	173	142,0
S32901	14x0,75	10,8	193	153,0
S32902	16x0,75	11,5	217	167,0
S32903	18x0,75	12,4	251	181,0
S32904	20x0,75	13,1	275	217,0
S32905	21x0,75	13,1	280	226,0
S32906	27x0,75	14,8	348	280,0
S32907	30x0,75	15,3	383	308,0
S32908	37x0,75	17,8	465	342,0
S32909	40x0,75	19,0	522	393,0
S32910	2x1,0	6,5	58	43,0
S32911	3x1,0	6,9	76	56,0
S32912	4x1,0	7,6	92	68,0
S32913	5x1,0	8,3	110	79,0
S32914	6x1,0	9,0	131	96,0
S32915	7x1,0	9,0	137	111,0
S32916	8x1,0	9,9	159	128,0
S32917	10x1,0	11,4	194	140,0
S32918	12x1,0	11,7	220	164,0
S32919	14x1,0	12,7	256	196,0
S32920	16x1,0	13,5	291	218,0

BiT LiHCH

Flexible, screened, halogen-free control cables with coloured conductors, 300/300V

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S32921	18x1,0	14,3	330	252,0
S32922	20x1,0	15,2	365	268,0
S32923	21x1,0	15,2	370	278,0
S32924	27x1,0	17,4	479	360,0
S32925	30x1,0	17,9	521	392,0
S32926	37x1,0	19,4	625	485,0
S32927	2x1,5	7,1	74	58,0
S32928	3x1,5	7,5	94	72,0
S32929	4x1,5	8,4	116	96,0
S32930	5x1,5	9,1	141	116,0
S32931	6x1,5	9,9	169	142,0
S32932	7x1,5	9,9	177	152,0
S32933	8x1,5	11,0	210	168,0
S32934	10x1,5	13,0	259	188,0
S32935	12x1,5	13,4	295	254,0
S32936	14x1,5	14,2	340	272,0
S32937	16x1,5	15,1	386	285,0
S32938	18x1,5	15,8	431	350,0

Cat. no.	n x mm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S32939	20x1,5	17,2	502	387,0
S32940	21x1,5	17,2	510	402,0
S32941	27x1,5	19,3	632	502,0
S32942	30x1,5	20,0	690	546,0
S32943	37x1,5	21,7	834	682,0
S32944	2x2,5	8,5	126	96,0
S32945	3x2,5	9,0	168	118,0
S32946	4x2,5	10,0	195	147,0
S32947	5x2,5	10,9	210	176,0
S32948	6x2,5	11,9	278	212,0
S32949	7x2,5	11,9	296	235,0
S32950	8x2,5	13,6	345	262,0
S32951	10x2,5	15,8	403	313,0
S32952	12x2,5	16,5	540	365,0
S32953	14x2,5	17,5	589	428,0
S32954	16x2,5	18,7	640	512,0
S32955	18x2,5	19,6	681	570,0
S32956	20x2,5	21,1	762	608,0
S32957	21x2,5	21,1	816	632,0

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paired cables

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33242	2x2x0,5	7,7	82	40,9
S33243	3x2x0,5	8,6	92	50,5
S33244	4x2x0,5	9,3	111	69,7
S33245	5x2x0,5	10,0	137	82,9
S33246	6x2x0,5	10,3	149	96,3
S33247	7x2x0,5	11,8	174	105,8
S33248	8x2x0,5	12,3	191	117,8
S33249	10x2x0,5	13,6	237	143,5
S33250	12x2x0,5	14,4	272	162,4
S33251	14x2x0,5	15,5	314	185,4
S33252	16x2x0,5	16,8	370	225,7
S33253	18x2x0,5	17,5	399	251,9
S33254	20x2x0,5	18,0	431	276,4

Cat. no.	nx2xmm²	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S33255	24x2x0,5	18,7	499	321,1
S33256	2x2x0,75	8,3	97	61,4
S33257	3x2x0,75	9,3	112	75,3
S33258	4x2x0,75	10,1	141	93,1
S33259	5x2x0,75	11,1	177	111,5
S33261	7x2x0,75	13,2	228	144,0
S33263	10x2x0,75	14,8	297	196,6
S33264	12x2x0,75	16,0	349	245,4
S33265	14x2x0,75	17,1	410	281,6
S33266	16x2x0,75	18,5	476	314,2
S33267	18x2x0,75	19,3	512	351,3
S33269	2x2x1,0	9,5	121	69,7
S33270	3x2x1,0	10,8	150	91,8

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