

# Wiring duct

## Technical data

### Wire capacity, 18 - 750 AWG

#### 18 - 1 AWG

Gray 4/6 slot	Gray 8/12 slot	ABB wiring duct code		Nominal duct size (mm)	Nominal duct size (inches)	Usable areas (mm <sup>2</sup> )	Maximum number of wires according to AGW and cable section (mm <sup>2</sup> )													
		White 4/6 slot	White 8/12 slot				18 0.82	16 1.3	14 2.1	12 3.3	10 5.3	8 8.4	6 13.3	4 21.2	3 26.7	2 33.6	1 42.4			
05119	05019	1SL5119A00	1SL5019A00	15x17	1/2x5/8	110	67	42	26	16	10	6	4	2	2	1	1			
05133	05033	1SL5133A00	1SL5033A00	25x30	1x1 1/4	490	298	188	116	74	46	29	18	11	9	7	5			
05135	05035	1SL5135A00	1SL5035A00	40X30	1 1/2X1 1/4	890	542	342	211	134	83	52	33	20	16	13	10			
05137	05037	1SL5137A00	1SL5037A00	60x30	2 1/4X1 1/4	1430	871	550	340	216	134	85	53	33	26	21	16			
05143	05043	1SL5143A00	1SL5043A00	25X40	1X1 1/2	710	432	273	169	107	66	42	26	16	13	10	8			
05145	05045	1SL5145A00	1SL5045A00	40x40	1 1/2x1 1/2	1260	768	484	300	190	118	75	47	29	23	18	14			
05147	05047	1SL5147A00	1SL5047A00	60x40	2 1/4x1 1/2	2000	1219	769	476	303	188	119	75	47	37	29	23			
05149	05049	1SL5149A00	1SL5049A00	80X40	3X1 1/2	2710	1652	1042	645	410	255	161	101	63	50	40	31			
05151	05051	1SL5151A00	1SL5051A00	100X40	4X1 1/2	3460	2109	1330	823	524	326	205	130	81	64	51	40			
05153	05053	1SL5153A00	1SL5053A00	120X40	4 3/4X1 1/2	4200	2560	1615	1000	636	396	250	157	99	78	62	49			
05163	05063	1SL5163A00	1SL5063A00	25X60	1 X 2 1/4	1120	682	430	266	169	105	66	42	26	20	16	13			
05165	05065	1SL5165A00	1SL5065A00	40X60	1 1/2X2 1/4	1970	1201	757	469	298	185	117	74	46	36	29	23			
05167	05067	1SL5167A00	1SL5067A00	60X60	2 1/4X2 1/4	3060	1865	1176	728	463	288	182	115	72	57	45	36			
05169	05069	1SL5169A00	1SL5069A00	80X60	3X2 1/4	4190	2554	1611	997	634	395	249	157	98	78	62	49			
05171	05071	1SL5171A00	1SL5071A00	100X60	4X2 1/4	5320	3243	2046	1266	806	501	316	200	125	99	79	62			
05173	05073	1SL5173A00	1SL5073A00	120X60	4 3/4X2 1/4	6330	3859	2434	1507	959	597	376	237	149	118	94	74			
05183	05083	1SL5183A00	1SL5083A00	25X80	1X3	1540	939	592	366	233	145	91	57	36	28	22	18			
05185	05085	1SL5185A00	1SL5085A00	40X80	1 1/2X3	2670	1628	1026	635	404	251	158	100	62	50	39	31			
05187	05087	1SL5187A00	1SL5087A00	60X80	2 1/4X3	4140	2524	1592	985	627	390	246	155	97	77	61	48			
05189	05089	1SL5189A00	1SL5089A00	80X80	3X3	5650	3445	2173	1345	856	533	336	212	133	105	84	66			
05191	05091	1SL5191A00	1SL5091A00	100X80	4X3	7170	4371	2757	1707	1086	676	426	269	169	134	106	84			
05193	05093	1SL5193A00	1SL5093A00	120X80	4 3/4X3	8570	5225	3296	2040	1298	808	510	322	202	160	127	101			
05194	05094	1SL5194A00	1SL5094A00	25X100	1X4	1970	1201	757	469	298	185	117	74	46	36	29	23			
05195	05095	1SL5195A00	1SL5095A00	40X100	1 1/2X4	3410	2079	1311	811	516	321	202	128	80	63	50	40			
05196	05096	1SL5196A00	1SL5096A00	60X100	2 1/4X4	5300	3231	2038	1261	803	500	315	199	125	99	78	62			
05197	05097	1SL5197A00	1SL5097A00	80X100	3X4	7190	4384	2765	1711	1089	678	427	270	169	134	106	84			
05198	05098	1SL5198A00	1SL5098A00	100X100	4X4	9110	5554	3503	2169	1380	859	542	342	214	170	135	107			
05199	05099	1SL5199A00	1SL5099A00	150X100	6X4	13,740	8378	5284	3271	2081	1296	817	516	324	257	204	162			

#### 1/0 - 750 AWG

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Gray 4/6 slot	Gray 8/12 slot	ABB wiring duct code		Nominal duct size (mm)	Nominal duct size (inches)	Usable areas (mm <sup>2</sup> )	Maximum number of wires according to AGW and cable section (mm <sup>2</sup> )													
		White 4/6 slot	White 8/12 slot				1/0 53.5	2/0 67.4	3/0 85	4/0 107.2	250 127	300 152	350 177	400 203	500 253	600 304	750 380			
05119	05019	1SL5119A00	1SL5019A00	15x17	1/2x5/8	110	1	0	0	0	0	0	0	0	0	0	0			
05133	05033	1SL5133A00	1SL5033A00	25x30	1x1 1/4	490	4	3	2	2	1	1	1	1	0	0	0			
05135	05035	1SL5135A00	1SL5035A00	40X30	1 1/2X1 1/4	890	8	6	5	4	3	2	2	2	1	1	1			
05137	05037	1SL5137A00	1SL5037A00	60x30	2 1/4X1 1/4	1430	13	10	8	6	5	4	4	3	2	2	1			
05143	05043	1SL5143A00	1SL5043A00	25X40	1X1 1/2	710	6	5	4	3	2	2	2	1	1	1	0			
05145	05045	1SL5145A00	1SL5045A00	40x40	1 1/2x1 1/2	1260	11	9	7	5	4	4	3	3	2	2	1			
05147	05047	1SL5147A00	1SL5047A00	60x40	2 1/4x1 1/2	2000	18	14	11	9	7	6	5	4	3	3	2			
05149	05049	1SL5149A00	1SL5049A00	80X40	3X1 1/2	2710	25	20	15	12	10	8	7	6	5	4	3			
05151	05051	1SL5151A00	1SL5051A00	100X40	4X1 1/2	3460	32	25	20	16	13	11	9	8	6	5	4			
05153	05053	1SL5153A00	1SL5053A00	120X40	4 3/4X1 1/2	4200	39	31	24	19	16	13	11	10	8	6	5			
05163	05063	1SL5163A00	1SL5063A00	25X60	1 X 2 1/4	1120	10	8	6	5	4	3	3	2	2	1	1			
05165	05065	1SL5165A00	1SL5065A00	40X60	1 1/2X2 1/4	1970	18	14	11	9	7	6	5	4	3	3	2			
05167	05067	1SL5167A00	1SL5067A00	60X60	2 1/4X2 1/4	3060	28	22	18	14	12	10	8	7	6	5	4			
05169	05069	1SL5169A00	1SL5069A00	80X60	3X2 1/4	4190	39	31	24	19	16	13	11	10	8	6	5			
05171	05071	1SL5171A00	1SL5071A00	100X60	4X2 1/4	5320	49	39	31	24	20	17	15	13	10	8	7			
05173	05073	1SL5173A00	1SL5073A00	120X60	4 3/4X2 1/4	6330	59	46	37	29	24	20	17	15	12	10	8			
05183	05083	1SL5183A00	1SL5083A00	25X80	1X3	1540	14	11	9	7	6	5	4	3	3	2	2			
05185	05085	1SL5185A00	1SL5085A00	40X80	1 1/2X3	2670	24	19	15	12	10	8	7	6	5	4	3			
05187	05087	1SL5187A00	1SL5087A00	60X80	2 1/4X3	4140	38	30	24	19	16	13	11	10	8	6	5			
05189	05089	1SL5189A00	1SL5089A00	80X80	3X3	5650	52	41	33	26	22	18	15	13	11	9	7			
05191	05091	1SL5191A00	1SL5091A00	100X80	4X3	7170	67	53	42	33	28	23	20	17	14	11	9			
05193	05093	1SL5193A00	1SL5093A00	120X80	4 3/4X3	8570	80	63	50	39	33	28	24	21	16	14	11			
05194	05094	1SL5194A00	1SL5094A00	25X100	1X4	1970	18	14	11	9	7	6	5	4	3	3	2			
05195	05095	1SL5195A00	1SL5095A00	40X100	1 1/2X4	3410	31	25	20	15	13	11	9	8	6	5	4			
05196	05096	1SL5196A00	1SL5096A00	60X100	2 1/4X4	5300	49	39	31	24	20	17	14	13	10	8	6			
05197	05097	1SL5197A00	1SL5097A00	80X100	3X4	7190	67	53	42	33	28	23	20	17	14	11	9			
05198	05098	1SL5198A00	1SL5098A00	100X100	4X4	9110	85	67	53	42	35	29	25	22	18	14	11			
05199	05099	1SL5199A00	1SL5099A00	150X100	6X4	13,740	128	101	80	64	54	45	38	33	27	22	18			

# Wiring duct

## Technical data

### Wire capacity, 800 - 1000 AWG

#### 800 - 1000 AWG

Gray 4/6 slot	Gray 8/12 slot	ABB wiring duct code		Nominal duct size (mm)	Nominal duct size (inches)	Usable areas (mm <sup>2</sup> )	Maximum number of wires according to AGW and cable section (mm <sup>2</sup> )	
		White 4/6 slot	White 8/12 slot				800 405	1000 508
05119	05019	1SL5119A00	1SL5019A00	15x17	1/2x5/8	110	0	0
05133	05033	1SL5133A00	1SL5033A00	25x30	1x1 1/4	490	0	0
05135	05035	1SL5135A00	1SL5035A00	40X30	1 1/2X1 1/4	890	1	0
05137	05037	1SL5137A00	1SL5037A00	60x30	2 1/4x1 1/4	1430	1	1
05143	05043	1SL5143A00	1SL5043A00	25X40	1X1 1/2	710	0	0
05145	05045	1SL5145A00	1SL5045A00	40x40	1 1/2x1 1/2	1260	1	1
05147	05047	1SL5147A00	1SL5047A00	60x40	2 1/4x1 1/2	2000	2	1
05149	05049	1SL5149A00	1SL5049A00	80X40	3X1 1/2	2710	3	2
05151	05051	1SL5151A00	1SL5051A00	100X40	4X1 1/2	3460	4	3
05153	05053	1SL5153A00	1SL5053A00	120X40	4 3/4X1 1/2	4200	5	4
05163	05063	1SL5163A00	1SL5063A00	25X60	1 X 2 1/4	1120	1	1
05165	05065	1SL5165A00	1SL5065A00	40X60	1 1/2X2 1/4	1970	2	1
05167	05067	1SL5167A00	1SL5067A00	60X60	2 1/4X2 1/4	3060	3	3
05169	05069	1SL5169A00	1SL5069A00	80X60	3X2 1/4	4190	5	4
05171	05071	1SL5171A00	1SL5071A00	100X60	4X2 1/4	5320	6	5
05173	05073	1SL5173A00	1SL5073A00	120X60	4 3/4X2 1/4	6330	7	6
05183	05083	1SL5183A00	1SL5083A00	25X80	1X3	1540	1	1
05185	05085	1SL5185A00	1SL5085A00	40X80	1 1/2X3	2670	3	2
05187	05087	1SL5187A00	1SL5087A00	60X80	2 1/4X3	4140	5	4
05189	05089	1SL5189A00	1SL5089A00	80X80	3X3	5650	6	5
05191	05091	1SL5191A00	1SL5091A00	100X80	4X3	7170	8	7
05193	05093	1SL5193A00	1SL5093A00	120X80	4 3/4X3	8570	10	8
05194	05094	1SL5194A00	1SL5094A00	25X100	1X4	1970	2	1
05195	05095	1SL5195A00	1SL5095A00	40X100	1 1/2X4	3410	4	3
05196	05096	1SL5196A00	1SL5096A00	60X100	2 1/4X4	5300	6	5
05197	05097	1SL5197A00	1SL5097A00	80X100	3X4	7190	8	7
05198	05098	1SL5198A00	1SL5098A00	100X100	4X4	9110	11	8
05199	05099	1SL5199A00	1SL5099A00	150X100	6X4	13,740	16	13

## Wiring duct Technical data

- Gray color — RAL 7030
- White color — RAL 9016
- Plastic insulating, shock-proof, self-extinguishing material in compliance with UL 94 VO Standard and resistant to abnormal heat and fire up to 960° (glow wire test) in compliance with IEC 695-2-1 Standard. UL File # E125800
- Minimum storage/transport temperature -5°C
- Minimum installation and usage temperature -15°C
- Maximum usage temperature +60°C.
- Resistance to acids, oils and greases
- No burr, rounded-off inner edges
- New rib profile makes it easy to open and close the cover and guarantees that it clips on more safely
- Designed to snap onto the Fix-O-rapid special accessory, suitable to be fastened both to DIN rail and base plate
- The ribs are cut using a special pressing process (rounding of the edges) producing wiring ducts completely free of burr and rough edges
- The dimensions and resilience of the ribs ensure repeated splaying during cabling
- Controlled splaying of sides to ensure a perfect seal of the cover in the vertical sections and at high temperatures
- Double trimming line, one at the base of the ribs so that they can be removed by bending them outwards, and one at the base of the lateral sides so that the edge can be cut when two wiring ducts are branched
- Cable holder moldings half-way up the straight section of the ribs in 80 and 100 mm high wiring ducts
- Cover can be opened without having to use a special tool
- Can be mounted on horizontal or vertical surfaces even when the cover is on the bottom
- Standard 2 meter length
- Industrial application

# Wiring duct

## Technical data

### Resistance to chemical agents

Chemical	Concentration	Temp. °C	Resistance	Chemical	Concentration	Temp. °C	Resistance
Acetic acid, hydrous	10%	50	①	Formic acid	100%	20	①
Acetic acid'	60%	50	①	Freon 12	—	20	①
Acetone	Traces	20	②	Gasoline	—	50	①
Acetone	100%	20	②	Glycerine, hydrous	—	50	①
Acqua regia	—	20	①	Hydrochloric acid	saturated	50	①
Ammonia concentrate	88%	50	①	Hydrogen	—	50	①
Ammonia, dry gas	100%	50	①	Linseed oil	—	50	①
Ammonia, liquid	100%	20	③	Lubricating oils	—	50	①
Aniline, pure	100%	20	②	Mineral oil	—	50	①
Arsenic acid, hydrous	concentrated	20	①	Molasses	—	20	④
Barium hydroxide, hydr.	—	50	①	Oils and fats	commercial	50	①
Beer	commercial	20	①	Oil of turpentine	commercial	20	①
Benzene	—	20	②	Ozone	—	20	①
Benzoic acid	—	20	③	Paraffin wax	—	50	①
Borax, hydrous	thinned	50	①	Photographic developer	commercial	50	①
Boric acid, hydrous	thinned	50	①	Photographic emulsions	—	50	①
Brandy	commercial	20	①	Potassium permanganate	6%	20	①
Bromide liquid	—	20	②	Propane, liquid	—	20	①
Butane gaseous	—	20	①	Salicylic acid	—	50	①
Butadiene	50%	50	①	Sea water	—	50	①
Butanol	—	20	①	Soda, hydrous	saturated	50	①
Butyric acid, hydrous	20%	20	①	Sodium chloride	thinned	50	①
Calcium chloride	—	50	①	Spirits, all types	—	20	①
Camphor oil	—	20	①	Sulphur	—	50	①
Carbon tetrachloride	—	20	③	Sulphuric acid, hydrous	40%	50	①
Chlorine gaseous, dry	100%	20	①	Tannic acid	—	50	①
Chlorine gaseous, moist	20%	20	③	Tetrahydrofuran	—	20	②
Chlorine water	saturated	20	③	Toluene	—	20	②
Chromic acid, hydrous	—	50	①	Urea, hydrous	—	50	①
Citric acid, hydrous	—	50	①	Urine	—	50	①
Copper sulphate, hydrous	thinned	50	①	Vinegar	commercial	50	①
Diesel oil	—	20	①	Water	—	50	①
Ethyl-alcohol	100% (in water)	20	①	Wines, red & white	commercial	20	①
Formaldehyde, hydrous	40%	50	①	Zinc sulphate, hydrous	thinned	50	①

① Resistant  
 ② Not sufficiently resistant  
 ③ Resistant in certain conditions  
 ④ Resistance to this product has been determined from the resistance to chemical products of similar composition