

■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
RO-FLEX 1000T(S)	0.25–0.34
RO-FLEX 1100T(S)	0.5–0.75
RO-FLEX-PREMIUM-1100T(S)	0.5–0.75
RO-FLEX 3MDT	0.75
RO-FLEX 3MDTP-IDS	0.5
RO-FLEX 6MDT	0.75
RO-FLEX TC-MTW-T	0.75
RO-FLEX 22775T(DC)	0.5–0.75
RO-FLEX 22775T(AC)	0.5–0.75
RO-FLEX 3000F(S)	0.25–0.34
RO-FLEX 3300F(S)	0.5–0.75
RO-FLEX-3MDF	0.75
RO-FLEX 3300F(S)-MTW	0.5–0.75
RO-FLEX-6MDF-MTW	0.75
RO-FLEX 22775F(DC)	0.75
RO-FLEX 22775F(AC)	0.5–0.75

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment
Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	1c	2c	3c	4c	5c	6c・7c	8c–10c	11c–14c	15c–20c	21c–
0.25	5.0	4.0	3.5	3.3	3.0	2.8	2.5	2.3	2.0	1.5
0.34	6.0	4.8	4.2	3.9	3.6	3.3	3.0	2.7	2.4	1.8
0.5	8.0	6.4	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.4
0.75	11	8.8	7.7	7.2	6.6	6.1	5.5	5.0	4.4	3.3

② 温度減少係数

Temperature decrease coefficient

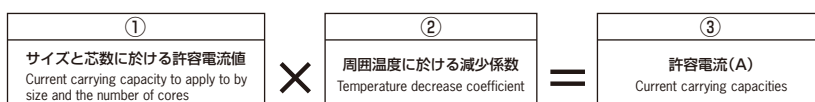
温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
10	1.22
11~15	1.17
16~20	1.12
21~25	1.06

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
26~30	1.00
31~35	0.94
36~40	0.87
41~45	0.79

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
46~50	0.71
51~55	0.61
56~60	0.50

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.



■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
RO-FLEX 1100T(S)	1.0–35
RO-FLEX-PREMIUM-1100T(S)	1.0–2.5
RO-FLEX 5000T(S)	1.0–6.0
RO-FLEX 7000T(S)	1.0–35
RO-FLEX 8000T(S)	1.0–35
RO-FLEX 22775T(DC)	1.0–1.5
RO-FLEX 22775T(AC)	1.0–1.5
RO-FLEX 22775T	2.5
RO-FLEX 22710T	4.0–35
RO-FLEX 3300F(S)	1.0–4.0
RO-FLEX 3300F(S)-MTW	1.0–4.0
RO-FLEX 22775F(DC)	1.0–1.5
RO-FLEX 22775F(AC)	1.0–1.5
RO-FLEX 22775F	2.5

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment
Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	1c–3c	4c–6c	7c–9c	10c–20c	21c–30c	31c–40c	41c–
1.0	18	14	13	9.0	9.0	7.2	7.2
1.5	24	19	17	12	12	9.6	9.6
2.5	30	24	21	15	15	12	12
4.0	35	28	25	18	18	14	14
6.0	50	40	35	25	25	20	20
10	70	56	49	35	35	28	28
16	95	76	67	48	48	38	38
25	125	100	88	63	63	50	50
35	170	136	119	85	85	68	68

② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
21~25	1.05
26~30	1.00
31~35	0.94

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
36~40	0.88
41~45	0.82
46~50	0.75

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
51~55	0.67
56~60	0.58
61~70	0.33

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.

①	×	②	=	③
サイズと芯数に於ける許容電流値 Current carrying capacity to apply to by size and the number of cores		周囲温度に於ける減少係数 Temperature decrease coefficient		許容電流(A) Current carrying capacities

■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
H05V-K+RV	0.5-1.0
MTW+H05V-K	1.0
MTW+H07V-K	1.5-240

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment

Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	1c-3c	4c-6c	7c-9c	10c-20c	21c-30c	31c-40c	41c-
0.5	10	8.0	7.0	5.0	4.5	4.0	3.5
0.75	13	10	9.1	6.5	5.9	5.2	4.6
1.0	22	18	15	11	9.9	8.8	7.7
1.5	28	22	20	14	13	11	9.8
2.5	36	29	25	18	16	14	13
4.0	42	34	29	21	19	17	15
6.0	60	48	42	30	27	24	21
10	84	67	59	42	38	34	29
16	114	91	80	57	51	46	40
25	150	120	105	75	68	60	53
35	204	163	143	102	92	82	71
50	234	187	164	117	105	94	82
70	318	254	223	159	143	127	111
95	372	298	260	186	167	149	130
120	432	346	302	216	194	173	151
150	486	389	340	243	219	194	170
185	606	485	424	303	273	242	212
240	654	523	458	327	294	262	229

② 温度減少係数

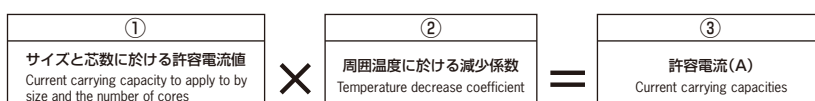
Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
21~25	1.05
26~30	1.00
31~35	0.94
36~40	0.88
41~45	0.82

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
46~50	0.75
51~55	0.67
56~60	0.58
61~70	0.33

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.



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ヨーロッパ対応エコケーブル (0.14mm²-0.75mm²) The eco-cable europe use (0.14mm²-0.75mm²)



■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
ECOLEX140T(S)	0.14-0.75

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment

Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	2c	3c	4c	5c	6c	7c	8c	10c	12c	16c	18c	20c	25c	30c
0.14	5.8	4.9	4.3	4.0	3.8	3.7	3.5	3.3	3.0	2.7	2.6	2.6	2.4	2.2
0.25	8.0	6.6	6.0	5.5	5.2	5.0	4.9	4.5	4.1	3.8	3.6	3.5	3.3	3.1
0.34	9.5	8.0	7.2	6.6	6.3	6.1	5.9	5.4	5.1	4.6	4.4	4.3	4.0	3.8
0.5	12	10	9.3	8.6	8.3	7.9	7.7	7.1	6.6	6.0	5.8	5.6	5.3	4.9
0.75	16	13	12	11	11	10	9.9	9.2	8.5	7.7	7.5	7.3	6.8	6.4

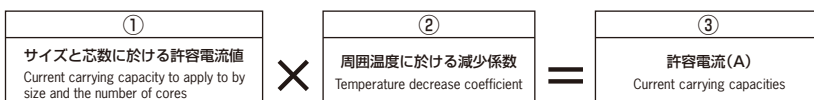
② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities	温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
10	1.22	36~40	0.87
11~15	1.17	41~45	0.79
16~20	1.12	46~50	0.71
21~25	1.06	51~55	0.61
26~30	1.00	56~60	0.50
31~35	0.94	---	---

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.



■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
ECOLEX140T(S)	1.5
ECOLEX70T(S)	2.5–35

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment

Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	2c	3c	4c	5c	6c	7c	8c	10c	12c	16c	18c	20c	25c	30c
1.5	23	19	17	16	15	15	14	13	12	11	11	11	9.9	9.3
2.5	33	28	25	24	22	22	21	19	18	16	16	16	15	14
4	43	37	33	31	—	—	—	—	—	—	—	—	—	—
6	57	48	44	41	—	—	—	—	—	—	—	—	—	—
10	82	69	63	59	—	—	—	—	—	—	—	—	—	—
16	112	95	87	81	—	—	—	—	—	—	—	—	—	—
25	155	131	119	112	—	—	—	—	—	—	—	—	—	—
35	189	160	146	136	—	—	—	—	—	—	—	—	—	—

② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities	温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
21~25	1.05	46~50	0.75
26~30	1.00	51~55	0.67
31~35	0.94	56~60	0.58
36~40	0.88	61~70	0.33
41~45	0.82	---	---

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.

①	×	②	=	③
サイズと芯数に於ける許容電流値 Current carrying capacity to apply to by size and the number of cores		周囲温度に於ける減少係数 Temperature decrease coefficient		許容電流(A) Current carrying capacities

■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
ECOLEX79T(S)	18-2

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

Part 5-52 :

Selection and erection of electrical equipment

Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	2c	3c	4c	5c	6c	7c	8c	10c	12c	16c	18c	20c	25c	30c
18	19	16	14	14	13	12	12	11	9.9	9.1	8.8	8.5	7.9	7.4
16	25	21	19	18	17	16	15	14	13	12	12	11	11	10
14	35	29	26	25	23	23	22	20	19	17	16	16	15	14
12	46	39	35	33	-	-	-	-	-	-	-	-	-	-
10	61	51	46	43	-	-	-	-	-	-	-	-	-	-
8	83	70	64	60	-	-	-	-	-	-	-	-	-	-
6	110	93	85	79	-	-	-	-	-	-	-	-	-	-
4	150	126	115	107	-	-	-	-	-	-	-	-	-	-
2	195	164	149	139	-	-	-	-	-	-	-	-	-	-

② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities	温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
21~25	1.05	46~50	0.75
26~30	1.00	51~55	0.67
31~35	0.94	56~60	0.58
36~40	0.88	61~70	0.33
41~45	0.82	---	---

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.

①	×	②	=	③
サイズと芯数に於ける許容電流値 Current carrying capacity to apply to by size and the number of cores		周囲温度に於ける減少係数 Temperature decrease coefficient		許容電流(A) Current carrying capacities

■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
PURELEX100T(S)	0.14–0.34
PURELEX110T(S)	0.5–35
PURELEX300F(S)	0.14–0.34
PURELEX500F(S)	0.5–6.0

■参照規格 Reference standard

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① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	2c	3c	4c	5c	6c	7c	8c	10c	12c	16c	18c	20c
0.14	4.4	3.7	3.2	3.0	2.8	2.7	2.6	2.4	2.2	2.0	1.9	1.9
0.25	6.1	5.1	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.8	2.7	2.7
0.34	7.5	6.2	5.6	5.2	4.9	4.7	4.5	4.2	3.9	3.5	3.4	3.3
0.5	9.3	7.8	7.0	6.5	6.2	5.9	5.8	5.3	5.0	4.5	4.4	4.2
0.75	13	11	10	9.4	9.0	8.6	8.4	7.7	7.1	6.5	6.3	6.1
1.5	19	16	15	14	13	12	12	11	10	9.4	9.1	8.9
2.5	27	23	21	19	18	18	17	16	15	13	13	13
4	37	31	29	27	–	–	–	–	–	–	–	–
6	46	38	35	33	–	–	–	–	–	–	–	–
10	60	51	46	43	–	–	–	–	–	–	–	–
16	75	64	58	54	–	–	–	–	–	–	–	–
25	97	82	75	70	–	–	–	–	–	–	–	–
35	116	98	89	83	–	–	–	–	–	–	–	–

② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities	温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
20	1.10	41~45	0.84
21~25	1.05	46~50	0.77
26~30	1.00	51~55	0.71
31~35	0.95	56~60	0.63
36~40	0.89	70	0.45

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.

①	×	②	=	③
サイズと芯数に於ける許容電流値 Current carrying capacity to apply to by size and the number of cores		周囲温度に於ける減少係数 Temperature decrease coefficient		許容電流(A) Current carrying capacities

■対象ケーブル Product list

製品名 Product name	サイズ(mm ²) Size
05Z1-K	0.14-0.75
07Z1-K	1.5-240

■参照規格 Reference standard

IEC 60364-5-52

Electrical installations of buildings

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Selection and erection of electrical equipment
Wiring systems

① サイズと芯数に於ける許容電流値(周囲温度30℃エアフリー)

Current carrying capacities to apply to by size and the number of cores.(At30 deg. Air free)

サイズ(mm ²) Size	---	サイズ(mm ²) Size	---
0.14	7.5	16	127
0.25	10	25	174
0.34	12	35	213
0.5	15	50	280
0.75	20	70	368
1.5	30	95	434
2.5	40	120	517
4	52	150	601
6	68	185	692
10	96	240	790

② 温度減少係数

Temperature decrease coefficient

温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities	温度(℃) Ambient temperature	許容電流値(A) Current carrying capacities
21~25	1.05	46~50	0.75
26~30	1.00	51~55	0.67
31~35	0.94	56~60	0.58
36~40	0.88	61~70	0.33
41~45	0.82	---	---

③ 周囲温度が30℃以外の場合の許容電流

Current carrying capacities other than 30℃.

①	×	②	=	③
サイズと芯数に於ける許容電流値 Current carrying capacity to apply to by size and the number of cores		周囲温度に於ける減少係数 Temperature decrease coefficient		許容電流(A) Current carrying capacities