



Application

- Power circuit below 1kV, Fire fighting circuits and safety systems.
- Fixed installation power, control & lighting in both explosion risk and safe areas, emergency and critical systems.
- Maximum operating conductor temperature 90°C

Construction Details

- 1 Conductor** : Circular tinned stranded copper as per IEC 60228 class 2 or class5
- 2 Insulation** : Mica tape and Halogen-free Ethylene propylene rubber (EPR) as per IEC 60092-360
- 3 Core assembly** : Cabled with non-hygroscopic fillers and the binder tape may be applicable
- 4 Bedding** : Halogen-free compound (Inner covering)
- 5 Armor** : Copper wires braid (screen) as per IEC 60092-353
— BFCU(option) : Galvanized steel wire braid as per IEC 60092-353
- 6 Outer Sheath** : Halogen-free thermosetting compound as per IEC 60092-360, SHF2 or SHF2 Oil & Mud

Standards Applied

- **Design guideline** : IEC 60092-353, NEK606
- **Material properties** : IEC 60092-360, Insulation (EPR)
IEC 60092-360, Sheath (SHF2)
- **Flame retardant** : IEC 60332-3, Cat. 'A'
- **Fire resistant** : IEC 60331-1/2, at 830°C for 120 min.
(option) waterspray for 15min
- **Assessment of halogen** : IEC 60754-1/2 & 60684-2
- **Low smoke properties** : IEC 61034-1/2
- **Sunlight resistance** : UL 1581
- **Cold properties(option)** : CSA C22.2 No. 03. Cold bending(-50°C), Cold impact(-50°C)
- **Oil/Mud resistance(option)** : NEK TS 606 5th ed (Category a, b, c, d)

Identification of color

- **Insulation** : -1C : Grey (off-white)
-2C : Grey, Black
-3C : Grey, Black, Red
-4C : Grey, Black, Red, Blue
-5Core and above : By numbering on White colored insulation
-Earth core : Green/Yellow stripe

- **Outer sheath** : Black

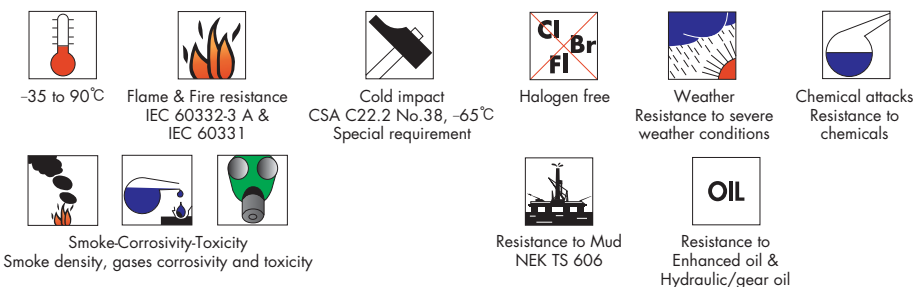
Note) The any other identification of color may be applicable when purchaser required

Note1)

Cross section of Armor (for 2, 3, 4 core cable)

Cross section Q of associated current carrying conductor	Min. cross section of braiding wire
$Q \leq 16 \text{ mm}^2$	Q
$Q > 16 \text{ mm}^2$	1/2 of the current-carrying conductor, but not less than 16 mm^2

Approvals



0.6/1kV Armored Flame & Fire resistant, Halogen free Cable (CODE : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20°C)	Current rating at 45°C
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
1	01C001	1.0/3	1.4	1.0	1.0	5.7	0.2	1.1	8.8±0.6	120	18.2	18
	01C015	1.5/3	1.7	1.0	1.0	6.0	0.2	1.1	9.1±0.6	135	12.2	23
	01C025	2.5/3	2.2	1.0	1.0	6.4	0.2	1.1	9.5±0.6	150	7.56	30
	01C004	4/3	2.7	1.0	1.0	6.9	0.2	1.1	10.0±0.6	175	4.70	40
	01C006	6/4	3.3	1.0	1.0	7.5	0.2	1.1	10.6±0.6	205	3.11	52
	01C010	10/4	4.2	1.0	1.0	8.4	0.2	1.2	11.7±0.6	260	1.84	72
	01C016	16/4	5.3	1.0	1.0	9.4	0.2	1.2	12.7±0.6	340	1.16	96
	01C025	25/9	6.6	1.2	1.0	11.1	0.3	1.3	15.1±0.6	510	0.734	127
	01C035	35/10	7.9	1.2	1.0	12.2	0.3	1.3	16.2±0.6	620	0.529	157
	01C050	50/12	9.1	1.4	1.0	14.1	0.3	1.4	18.3±0.7	800	0.391	196
	01C070	70/12	11.0	1.4	1.0	15.8	0.3	1.5	20.2±0.8	1045	0.270	242
	01C095	95/13	12.9	1.6	1.0	18.0	0.3	1.6	22.6±0.9	1345	0.195	293
	01C120	120/13	14.5	1.6	1.0	19.7	0.3	1.6	24.3±1.0	1635	0.154	339
	01C150	150/16	16.2	1.8	1.0	21.7	0.3	1.7	26.5±1.1	1975	0.126	389
	01C185	185/18	18.0	2.0	1.0	23.7	0.3	1.8	28.7±1.1	2350	0.1000	444
	01C240	240/20	20.6	2.2	1.2	27.3	0.3	1.9	32.5±1.3	3075	0.0762	522
	01C300	300/26	23.1	2.4	1.2	29.8	0.3	2.0	35.2±1.4	3675	0.0607	601
2	02C001	1.0/3	1.4	1.0	1.0	10.0	0.2	1.2	13.3±0.6	235	18.2	15
	02C015	1.5/4	1.7	1.0	1.0	10.6	0.3	1.3	14.6±0.6	300	12.2	20
	02C025	2.5/6	2.2	1.0	1.0	11.4	0.3	1.3	15.4±0.6	350	7.56	26
	02C004	4/6	2.7	1.0	1.0	12.4	0.3	1.4	16.6±0.7	410	4.70	34
	02C006	6/6	3.3	1.0	1.0	13.6	0.3	1.4	17.8±0.7	485	3.11	44
	02C010	10/10	4.2	1.0	1.0	15.4	0.3	1.5	19.8±0.8	620	1.84	61
	02C016	16/16	5.3	1.0	1.0	17.4	0.3	1.6	22.0±0.9	805	1.16	82
	02C025	25/16	6.6	1.2	1.0	20.8	0.3	1.7	25.6±1.0	1125	0.734	108
	02C035	35/25	7.9	1.2	1.0	23.0	0.3	1.8	28.0±1.1	1385	0.529	133
	02C050	50/25	9.1	1.4	1.2	27.1	0.3	1.9	32.3±1.3	1835	0.391	167
	02C070	70/35	11.0	1.4	1.2	30.5	0.4	2.1	36.5±1.5	2470	0.270	206
	02C095	95/50	12.9	1.6	1.2	34.9	0.4	2.3	41.3±1.7	3195	0.195	249
	02C120	120	14.5	1.6	1.4	38.6	0.4	2.4	45.2±1.8	3920	0.154	288
	02C150	150	16.2	1.8	1.4	42.6	0.4	2.6	49.6±2.0	4735	0.126	331
	02C185	185	18.0	2.0	1.4	46.6	0.4	2.7	53.8±2.2	5625	0.1000	377
	02C240	240	20.6	2.2	1.6	53.6	0.4	3.0	61.4±2.5	7380	0.0762	444
	02C120*	120/60*	14.5	1.6	1.4	38.6	*0.4 ^{1/2}	2.5	47.2±1.9	4375	0.154	288
	02C150*	150/75*	16.2	1.8	1.4	42.6	*0.4 ^{1/2}	2.6	51.4±2.1	5215	0.126	331
	02C185*	185/95*	18.0	2.0	1.4	46.6	*0.45 ^{1/2}	2.8	56.3±2.3	6315	0.1000	377
	02C240*	240/120*	20.6	2.2	1.6	53.6	*0.5 ^{1/2}	3.1	64.3±2.6	8305	0.0762	444

Example) 0.6/1kV BFOU 1C x 1.5mm² Part No. QEXD01C015

Note) "*" double braided(option)

Q	E	X	D	01C	015
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm ²)

0.6/1kV Armored Flame & Fire resistant, Halogen free Cable (CODE : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20°C)	Current rating at 45°C
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
2+E	03E025	25	6.6	1.2	1.0	21.9	0.3	1.7	26.7±1.1	1325	0.734	108
		16E	5.3	1.0							1.16	
	03E035	35	7.9	1.2	1.0	24.4	0.3	1.8	29.4±1.2	1695	0.529	133
		25E	6.6	1.2							0.734	
	03E050	50	9.1	1.4	1.2	28.5	0.3	2.0	33.9±1.4	2165	0.391	167
		25E	6.6	1.2							0.734	
	03E070	70	11.0	1.4	1.2	32.0	0.4	2.2	38.2±1.5	2900	0.270	206
		35E	7.9	1.2							0.529	
	03E095	95	12.9	1.6	1.2	36.7	0.4	2.3	43.1±1.7	3750	0.195	249
		50E	9.1	1.4							0.391	
	03E120	120	14.5	1.8	1.4	40.6	0.4	2.5	47.4±1.9	4705	0.154	288
		70E	11.0	1.6							0.270	
	03E150	150	16.2	2.0	1.4	45.0	0.4	2.7	52.2±2.1	5790	0.126	331
		95E	12.9	1.6							0.195	
	03E185	185	18.0	2.2	1.6	49.3	0.4	2.8	56.7±2.3	6730	0.100	377
		95E	12.9	1.6							0.195	
3	03C001	1.0/3	1.4	1.0	1.0	10.6	0.3	1.3	14.6±0.6	315	18.2	12
	03C015	1.5/4	1.7	1.0	1.0	11.3	0.3	1.3	15.3±0.6	350	12.2	16
	03C025	2.5/6	2.2	1.0	1.0	12.1	0.3	1.3	16.1±0.6	400	7.56	21
	03C004	4/6	2.7	1.0	1.0	13.2	0.3	1.4	17.4±0.7	480	4.70	28
	03C006	6/6	3.3	1.0	1.0	14.5	0.3	1.4	18.7±0.7	580	3.11	36
	03C010	10/10	4.2	1.0	1.0	16.5	0.3	1.5	20.9±0.8	760	1.84	50
	03C016	16/16	5.3	1.0	1.0	18.6	0.3	1.6	23.2±0.9	1010	1.16	67
	03C025	25/16	6.6	1.2	1.0	22.3	0.3	1.7	27.1±1.1	1425	0.734	89
	03C035	35/25	7.9	1.2	1.0	24.6	0.3	1.8	29.6±1.2	1775	0.529	110
	03C050	50/25	9.1	1.4	1.2	29.0	0.3	2.0	34.4±1.4	2385	0.391	137
	03C070	70/35	11.0	1.4	1.2	32.7	0.4	2.2	38.9±1.6	3235	0.270	169
	03C095	95/50	12.9	1.6	1.4	37.7	0.4	2.4	44.3±1.8	4240	0.195	205
	03C120	120	14.5	1.6	1.4	41.4	0.4	2.5	48.2±1.9	5200	0.154	237
	03C150	150	16.2	1.8	1.4	45.7	0.4	2.7	52.9±2.1	6310	0.126	272
	03C185	185	18.0	2.0	1.6	50.4	0.4	2.9	58.0±2.3	7605	0.1000	311
	03C240	240	20.6	2.2	1.6	57.5	0.4	3.2	65.7±2.6	9940	0.0762	365
	03C300	300	23.1	2.4	1.8	63.2	0.4	3.4	71.8±2.9	11960	0.0607	421
	03C120*	120/60*	14.5	1.6	1.4	41.4	*0.4 ^{1/2}	2.6	50.2±2.0	5685	0.154	237
	03C150*	150/75*	16.2	1.8	1.4	45.7	*0.4 ^{1/2}	2.8	54.9±2.2	6845	0.126	272
	03C185*	185/95*	18.0	2.0	1.6	50.4	*0.45 ^{1/2}	3.0	60.5±2.4	8350	0.1000	311
	03C240*	240/120*	20.6	2.2	1.6	57.5	*0.5 ^{1/2}	3.3	68.6±2.7	10930	0.0762	365

Example) 0.6/1kV BFOU 3C x 1.5mm² Part No. QEXD03C015

Note) "*" double braided(option)

Q	E	X	D	03C	015
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm²)

0.6/1kV Armored Flame & Fire resistant, Halogen free Cable(Code : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20℃)	Current rating at 45℃
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
3+E	04E025	25	6.6	1.2	1.0	23.9	0.3	1.8	28.9±1.2	1650	0.734	89
		16E	5.3	1.0							1.16	
	04E035	35	7.9	1.2	1.2	27.1	0.4	1.9	32.3±1.3	2140	0.529	110
		25E	6.6	1.2							0.734	
	04E050	50	9.1	1.4	1.2	30.8	0.4	2.1	36.8±1.5	2800	0.391	137
		25E	6.6	1.2							0.734	
	04E070	70	11.0	1.4	1.2	34.6	0.4	2.3	41.0±1.6	3675	0.270	169
		35E	7.9	1.2							0.529	
	04E095	95	12.9	1.6	1.4	40.0	0.4	2.5	46.8±1.9	4835	0.195	205
		50E	9.1	1.4							0.391	
	04E120	120	14.5	1.6	1.4	44.1	0.4	2.6	51.1±2.0	6010	0.154	237
		70E	11.0	1.4							0.270	
	04E150	150	16.2	1.8	1.6	48.4	0.4	2.8	55.8±2.2	7165	0.126	272
		95E	12.9	1.4							0.195	
	04E185	185	18.0	2.0	1.6	53.3	0.4	3.0	61.1±2.4	8685	0.100	311
		95E	12.9	1.6							0.195	
4	04C001	1.0/3	1.4	1.0	1.0	11.7	0.3	1.3	15.7±0.6	360	18.2	12
	04C015	1.5/3	1.7	1.0	1.0	12.4	0.3	1.4	16.6±0.7	410	12.2	16
	04C025	2.5/6	2.2	1.0	1.0	13.4	0.3	1.4	17.6±0.7	480	7.56	21
	04C004	4/6	2.7	1.0	1.0	14.6	0.3	1.4	18.8±0.8	570	4.70	28
	04C006	6/6	3.3	1.0	1.0	16.0	0.3	1.5	20.4±0.8	700	3.11	36
	04C010	10/10	4.2	1.0	1.0	18.2	0.3	1.6	22.8±0.9	935	1.84	50
	04C016	16/16	5.3	1.0	1.0	20.6	0.3	1.7	25.4±1.0	1250	1.16	67
	04C025	25/16	6.6	1.2	1.0	24.7	0.3	1.8	29.7±1.2	1785	0.734	89
	04C035	35/25	7.9	1.2	1.2	27.7	0.3	2.0	33.1±1.3	2275	0.529	110
	04C050	50/25	9.1	1.4	1.2	32.3	0.4	2.2	38.5±1.5	3115	0.391	137
	04C070	70/35	11.0	1.4	1.2	36.4	0.4	2.3	42.8±1.7	4095	0.270	169
	04C095	95/50	12.9	1.6	1.4	42.0	0.4	2.6	49.0±2.0	5405	0.195	205
	04C120	120	14.5	1.6	1.4	46.1	0.4	2.7	53.3±2.1	6650	0.154	237
	04C150	150	16.2	1.8	1.6	51.3	0.4	2.9	58.9±2.4	8140	0.126	272
	04C185	185	18.0	2.0	1.6	56.1	0.4	3.1	64.1±2.6	9755	0.1000	311
	04C240	240	20.6	2.2	1.8	64.4	0.4	3.4	73.0±2.9	12830	0.0762	365
	04C300	300	23.1	2.4	1.8	70.5	0.4	3.7	79.7±3.2	15430	0.0607	421
	04C120*	120/60*	14.5	1.6	1.4	46.1	*0.4 ^{1/2}	2.8	55.3±2.2	7190	0.154	237
	04C150*	150/75*	16.2	1.8	1.6	51.3	*0.4 ^{1/2}	3.0	60.9±2.4	8735	0.126	272
	04C185*	185/95*	18.0	2.0	1.6	56.1	*0.45 ^{1/2}	3.2	66.6±2.7	10575	0.1000	311
	04C240*	240/120*	20.6	2.2	1.8	64.4	*0.5 ^{1/2}	3.6	76.1±3.0	13965	0.0762	365

Example) 0.6/1kV BFOU 4C x 1.5mm² Part No. QEXD01C015

Q	E	X	D	04C	015
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm ²)

Note) "*" double braided(option)

0.6/1kV Armored Flame & Fire resistant, Halogen free Cable(Code : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20°C)	Current rating at 45°C
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
4+E	05E025	25	6.6	1.2	1.2	27.4	0.3	2.0	32.8±1.3	2065	0.734	89
		16E	5.3	1.0							1.16	
	05E035	35	7.9	1.2	1.2	30.6	0.4	2.1	36.6±1.5	2715	0.529	110
		25E	6.6	1.2							0.734	
	05E050	50	9.1	1.4	1.2	35.2	0.4	2.3	41.6±1.7	3485	0.391	137
		25E	6.6	1.2							0.734	
	05E070	70	11.0	1.4	1.4	40.0	0.4	2.5	46.8±1.9	4625	0.270	169
		35E	7.9	1.2							0.529	
	05E095	95	12.9	1.6	1.4	45.9	0.4	2.7	53.1±2.1	6055	0.195	205
		50E	9.1	1.4							0.391	
	05E120	120	14.5	1.6	1.6	50.9	0.4	2.9	58.5±2.3	7595	0.154	237
		70E	11.0	1.4							0.270	
	05E150	150	16.2	1.8	1.6	56.4	0.4	3.1	64.4±2.6	9315	0.126	272
		95E	12.9	1.6							0.195	
	05E185	185	18.0	2.0	1.6	61.2	0.4	3.3	69.6±2.8	10935	0.100	311
		95E	12.9	1.6							0.195	

Example) 0.6/1kV BFOU 5E x 25mm² Part No. QEXD05E025

Q	E	X	D	05E	025
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm ²)

High Voltage Flame Retardant Cable

High Voltage Flame & Fire Resistant Cable

Low Voltage Flame Retardant Cable

Low Voltage Flame & Fire Resistant Cable

Technical information

0.6/1kV Armored Flame & Fire resistant, Halogen free Cable(Code : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20℃)	Current rating at 45℃
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
5	05C001	1.0	1.4	1.0	1.0	11.8	0.3	1.3	15.8±0.6	370	18.2	10
6	06C001	1.0	1.4	1.0	1.0	12.9	0.3	1.4	17.1±0.6	425	18.2	9
7	07C001	1.0	1.4	1.0	1.0	12.9	0.3	1.4	17.1±0.6	440	18.2	9
8	08C001	1.0	1.4	1.0	1.0	14.0	0.3	1.4	18.2±0.6	490	18.2	9
9	09C001	1.0	1.4	1.0	1.0	15.2	0.3	1.5	19.6±0.6	550	18.2	8
10	10C001	1.0	1.4	1.0	1.0	16.6	0.3	1.5	21.0±0.6	585	18.2	8
12	12C001	1.0	1.4	1.0	1.0	17.2	0.3	1.5	21.6±0.6	640	18.2	7
14	14C001	1.0	1.4	1.0	1.0	18.1	0.3	1.6	22.7±0.6	715	18.2	7
16	16C001	1.0	1.4	1.0	1.0	19.2	0.3	1.6	23.8±0.6	785	18.2	7
19	19C001	1.0	1.4	1.0	1.0	20.3	0.3	1.7	25.1±1.0	865	18.2	6
20	20C001	1.0	1.4	1.0	1.0	21.0	0.3	1.7	25.8±1.0	930	18.2	6
23	23C001	1.0	1.4	1.0	1.0	22.6	0.3	1.8	27.6±1.1	1040	18.2	6
24	24C001	1.0	1.4	1.0	1.0	24.0	0.3	1.8	29.0±1.2	1085	18.2	6
27	27C001	1.0	1.4	1.0	1.0	24.6	0.3	1.8	29.6±1.2	1160	18.2	6
30	30C001	1.0	1.4	1.0	1.0	25.5	0.3	1.9	30.7±1.2	1265	18.2	5
33	33C001	1.0	1.4	1.0	1.0	26.6	0.3	1.9	31.8±1.3	1355	18.2	5
37	37C001	1.0	1.4	1.0	1.2	28.0	0.3	2.0	33.4±1.3	1495	18.2	5
44	44C001	1.0	1.4	1.0	1.2	31.7	0.4	2.1	37.7±1.5	1840	18.2	5
5	05C015	1.5	1.7	1.0	1.0	12.6	0.3	1.4	16.8±0.6	430	12.2	13
6	06C015	1.5	1.7	1.0	1.0	13.8	0.3	1.4	18.0±0.6	485	12.2	12
7	07C015	1.5	1.7	1.0	1.0	13.8	0.3	1.4	18.0±0.6	505	12.2	12
8	08C015	1.5	1.7	1.0	1.0	15.0	0.3	1.5	19.4±0.6	570	12.2	11
9	09C015	1.5	1.7	1.0	1.0	16.3	0.3	1.5	20.7±0.6	635	12.2	11
10	10C015	1.5	1.7	1.0	1.0	17.8	0.3	1.6	22.4±0.6	685	12.2	10
12	12C015	1.5	1.7	1.0	1.0	18.4	0.3	1.6	23.0±0.6	755	12.2	10
14	14C015	1.5	1.7	1.0	1.0	19.5	0.3	1.6	24.1±0.6	835	12.2	9
16	16C015	1.5	1.7	1.0	1.0	20.6	0.3	1.7	25.4±1.0	935	12.2	9
19	19C015	1.5	1.7	1.0	1.0	21.8	0.3	1.7	26.6±1.1	1025	12.2	8
20	20C015	1.5	1.7	1.0	1.0	22.5	0.3	1.8	27.5±1.1	1105	12.2	8
23	23C015	1.5	1.7	1.0	1.0	24.3	0.3	1.8	29.3±1.2	1225	12.2	8
24	24C015	1.5	1.7	1.0	1.0	25.8	0.3	1.9	31.0±1.2	1295	12.2	7
27	27C015	1.5	1.7	1.0	1.0	26.4	0.3	1.9	31.6±1.3	1390	12.2	7
30	30C015	1.5	1.7	1.0	1.2	27.8	0.3	2.0	33.2±1.3	1540	12.2	7
33	33C015	1.5	1.7	1.0	1.2	28.9	0.3	2.0	34.3±1.4	1655	12.2	7
37	37C015	1.5	1.7	1.0	1.2	30.1	0.4	2.1	36.1±1.4	1870	12.2	6
44	44C015	1.5	1.7	1.0	1.2	34.1	0.4	2.2	40.3±1.6	2205	12.2	6

Example) 0.6/1kV BFOU 5C x 1.5mm² Part No. QEXD05C015

Q	E	X	D	05C	015
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm ²)

0.6/1kV Armored Flame & Fire resistant, Halogen free cable(Code : 0.6/1kV BFOU[P105])

No. of core	Part no.	Conductor		Thickness of insulation	Thickness of inner covering	Nominal dia. over inner covering	Dia. of metal wire for braid	Thickness of outer sheath	Nominal overall dia.	Cable weight approx	Conductor resistance (20°C)	Current rating at 45°C
		Nominal sectional area	Max. overall dia.									
EA	QEXD	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km	Amp.
5	05C025	2.5	2.2	1.0	1.0	13.7	0.3	1.4	17.9±0.6	505	7.56	17
6	06C025	2.5	2.2	1.0	1.0	15.0	0.3	1.5	19.4±0.6	585	7.56	16
7	07C025	2.5	2.2	1.0	1.0	15.0	0.3	1.5	19.4±0.6	610	7.56	15
8	08C025	2.5	2.2	1.0	1.0	16.3	0.3	1.5	20.7±0.6	685	7.56	15
9	09C025	2.5	2.2	1.0	1.0	17.7	0.3	1.6	22.3±1.6	770	7.56	14
10	10C025	2.5	2.2	1.0	1.0	19.4	0.3	1.6	24.0±1.6	825	7.56	13
12	12C025	2.5	2.2	1.0	1.0	20.1	0.3	1.7	24.9±1.6	930	7.56	13
14	14C025	2.5	2.2	1.0	1.0	21.2	0.3	1.7	26.0±1.0	1035	7.56	12
16	16C025	2.5	2.2	1.0	1.0	22.5	0.3	1.8	27.5±1.1	1155	7.56	11
19	19C025	2.5	2.2	1.0	1.0	23.8	0.3	1.8	28.8±1.2	1280	7.56	11
20	20C025	2.5	2.2	1.0	1.0	24.6	0.3	1.8	29.6±1.2	1365	7.56	11
23	23C025	2.5	2.2	1.0	1.2	26.5	0.3	1.9	31.7±1.3	1530	7.56	10
24	24C025	2.5	2.2	1.0	1.2	28.5	0.3	2.0	33.9±1.4	1640	7.56	10
27	27C025	2.5	2.2	1.0	1.2	29.2	0.3	2.0	34.6±1.4	1770	7.56	10
30	30C025	2.5	2.2	1.0	1.2	30.3	0.4	2.1	36.3±1.5	2005	7.56	9
33	33C025	2.5	2.2	1.0	1.2	31.6	0.4	2.1	37.6±1.5	2160	7.56	9
37	37C025	2.5	2.2	1.0	1.2	32.9	0.4	2.2	39.1±1.6	2350	7.56	9
44	44C025	2.5	2.2	1.0	1.4	37.6	0.4	2.4	44.2±1.8	2825	7.56	8

Example) 0.6/1kV BFOU 5C x 2.5mm² Part No. QEXD05C025

Q	E	X	D	05C	025
NEK606	BFOU	Fire resistant	0.6/1kV	No. of Core	Size (mm ²)

High Voltage Flame Retardant Cable

High Voltage Flame & Fire Resistant Cable

Low Voltage Flame Retardant Cable

Low Voltage Flame & Fire Resistant Cable

Technical information