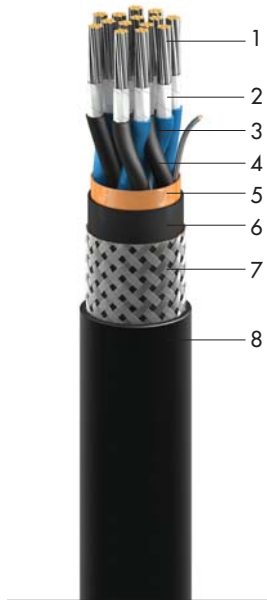


LV Instrument cable

Armored Flame Retardant, Halogen free collective screened Instrument Cables (250V RFOU(C))
Armored Flame & Fire resistant, Halogen free collective screened Instrument Cables (250V SFOU(C))



Application

- Instrument circuit up to 250V, instrument safe systems.
- Fixed installation for instrument, communication, control and alarm systems in both explosion risk and safe areas, general purposes.
- Maximum operating conductor temperature 90°C

Construction Details

- 1 Conductor** : Circular tinned stranded copper wires as per IEC 60228 Class 2 or Class 5 & IEC 60092-376
- 2 Insulation** : Halogen-free Ethylene propylene rubber (EPR-RFOU) or Silicone rubber (S95-SFOU) as per IEC 60092-360
- 3 Pair/triple twisting** : Two/three insulated cores twisted together with suitable lay length
- 4 Core assembly** : Pairs/triples are laid up with non-hygroscopic fillers and the binder tape may be applicable
- 5 Collective screening** : Wrapped by copper or aluminium backed polyester tape with tinned copper drain wire
- 6 Bedding** : Halogen-free compound (Inner covering)
- 7 Armor** : Copper wires braid (screen) as per IEC 60092-376
— RFCU(option) : Galvanized steel wire braid as per IEC 60092-376
- 8 Outer Sheath**
Halogen-free thermosetting compound as per IEC 60092-360, SHF2 or SHF2 Oil & Mud

Standards Applied

- **Design guideline** : IEC 60092-376, NEK606
- **Material properties** : IEC 60092-360, Insulation (EPR, S95)
IEC 60092-360, Sheath (SHF2)
- **Flame retardant** : IEC 60332-3, Cat. 'A'
- **Fire resistant(SFOU)** : IEC 60331-1/2 at 830°C for 120min.
(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** : -1 Pair : Black, Light Blue
-2 Pair and above : Numbering on Black & Light Blue insulation core
-1 Triple : Black, Light Blue, Brown
-2 Triple and above : Numbering on Black, Light Blue & Brown insulation core
- **Outer sheath** : -Non I.S : Grey
-I.S : Light Blue

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



-35 to 90°C



Flame & Fire resistant
IEC 60332-3 A
& IEC 60331(SFOU)



Cold impact
CSA C22.2 No.38, -65°C
Special requirement



Halogen free



Weather
Resistance to severe
weather conditions



Chemical attacks
Resistance to
chemicals



Smoke-Corrosivity-Toxicity
Smoke density, gases corrosivity and toxicity

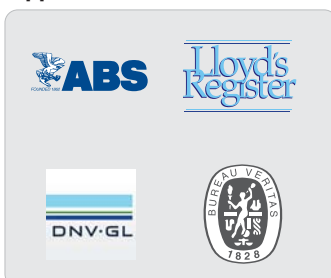


Resistance to Mud
NEK TS 606



Resistance to
Enhanced oil &
Hydraulic/gear oil

Approvals



High Voltage Flame
Retardant Cable

High Voltage Flame
& Fire Resistant Cable

Low Voltage Flame
Retardant Cable

Low Voltage Flame
& Fire Resistant Cable

Technical information

250V Armored Flame retardant, Halogen free collective screened Instrument Cable (Code : 250V RFOU(C) [S102])

250V Armored Flame & Fire resistant, Halogen free collective screened Instrument Cable (Code : 250V SFOU(C) [S113])

No. of pair	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)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QVTA/QVSA	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	2	01P075	0.75	1.2	0.6	1.0	6.8	0.2	1.1	9.9±0.6	150	26.3
2	4	02P075	0.75	1.2	0.6	1.0	10.2	0.3	1.3	14.2±0.6	255	26.3
3	6	03P075	0.75	1.2	0.6	1.0	10.7	0.3	1.3	14.7±0.6	335	26.3
4	8	04P075	0.75	1.2	0.6	1.0	11.6	0.3	1.3	15.6±0.6	380	26.3
5	10	05P075	0.75	1.2	0.6	1.0	12.7	0.3	1.4	16.9±0.6	435	26.3
6	12	06P075	0.75	1.2	0.6	1.0	13.9	0.3	1.4	18.1±0.6	505	26.3
7	14	07P075	0.75	1.2	0.6	1.0	13.9	0.3	1.4	18.1±0.6	525	26.3
8	16	08P075	0.75	1.2	0.6	1.0	15.3	0.3	1.5	19.7±0.6	585	26.3
9	18	09P075	0.75	1.2	0.6	1.0	16.4	0.3	1.5	20.8±0.6	655	26.3
10	20	10P075	0.75	1.2	0.6	1.0	17.2	0.3	1.5	21.6±0.6	690	26.3
12	24	12P075	0.75	1.2	0.6	1.0	17.7	0.3	1.6	22.3±0.6	760	26.3
14	28	14P075	0.75	1.2	0.6	1.0	18.7	0.3	1.6	23.3±0.6	850	26.3
15	30	15P075	0.75	1.2	0.6	1.0	20.1	0.3	1.7	24.9±0.6	920	26.3
16	32	16P075	0.75	1.2	0.6	1.0	20.5	0.3	1.7	25.3±1.0	955	26.3
18	36	18P075	0.75	1.2	0.6	1.0	21.7	0.3	1.7	26.5±1.1	1,055	26.3
19	38	19P075	0.75	1.2	0.6	1.0	21.9	0.3	1.7	26.7±1.1	1,070	26.3
20	40	20P075	0.75	1.2	0.6	1.0	22.9	0.3	1.8	27.9±1.1	1,140	26.3
21	42	21P075	0.75	1.2	0.6	1.0	23.6	0.3	1.8	28.6±1.1	1,210	26.3
23	46	23P075	0.75	1.2	0.6	1.0	24.0	0.3	1.8	29.0±1.2	1,265	26.3
24	48	24P075	0.75	1.2	0.6	1.0	25.3	0.3	1.9	30.5±1.2	1,320	26.3
27	54	27P075	0.75	1.2	0.6	1.2	25.9	0.3	1.9	31.1±1.2	1,435	26.3
30	60	30P075	0.75	1.2	0.6	1.2	27.2	0.3	1.9	32.4±1.3	1,550	26.3
32	64	32P075	0.75	1.2	0.6	1.2	28.0	0.3	2.0	33.4±1.3	1,635	26.3
37	74	37P075	0.75	1.2	0.6	1.2	29.3	0.3	2.0	34.7±1.4	1,835	26.3

Example) 250V RFOU(C)1Pr x 0.75mm² Part No. QVTA01P075

Q	V	T	A	01P	075
NEK606	RFOU(C)	Flame retardant	150/250V	No. of Pair	Size (mm ²)

250V Armored Flame retardant, Halogen free collective screened Instrument Cable (Code : 250V RFOU(C) [S102])

250V Armored Flame & Fire resistant, Halogen free collective screened Instrument Cable (Code : 250V SFOU(C) [S113])

No. of pair	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)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QVTA/QVSA	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	2	01P001	1.0	1.4	0.6	1.0	7.0	0.2	1.1	10.1±0.6	160	19.3
2	4	02P001	1.0	1.4	0.6	1.0	10.5	0.3	1.3	14.5±0.6	315	19.3
3	6	03P001	1.0	1.4	0.6	1.0	11.1	0.3	1.3	15.1±0.6	360	19.3
4	8	04P001	1.0	1.4	0.6	1.0	11.9	0.3	1.3	15.9±0.6	410	19.3
5	10	05P001	1.0	1.4	0.6	1.0	13.1	0.3	1.4	17.3±0.6	480	19.3
6	12	06P001	1.0	1.4	0.6	1.0	14.4	0.3	1.4	18.6±0.6	545	19.3
7	14	07P001	1.0	1.4	0.6	1.0	14.4	0.3	1.4	18.6±0.6	570	19.3
8	16	08P001	1.0	1.4	0.6	1.0	15.8	0.3	1.5	20.2±0.6	650	19.3
9	18	09P001	1.0	1.4	0.6	1.0	16.9	0.3	1.5	21.3±0.6	715	19.3
10	20	10P001	1.0	1.4	0.6	1.0	17.8	0.3	1.6	22.4±0.6	750	19.3
12	24	12P001	1.0	1.4	0.6	1.0	18.3	0.3	1.6	22.9±0.6	840	19.3
14	28	14P001	1.0	1.4	0.6	1.0	19.4	0.3	1.6	24.0±0.6	935	19.3
15	30	15P001	1.0	1.4	0.6	1.0	20.8	0.3	1.7	25.6±1.0	1,020	19.3
16	32	16P001	1.0	1.4	0.6	1.0	21.2	0.3	1.7	26.0±1.0	1,060	19.3
18	36	18P001	1.0	1.4	0.6	1.0	22.4	0.3	1.8	27.4±1.1	1,160	19.3
19	38	19P001	1.0	1.4	0.6	1.0	22.7	0.3	1.8	27.7±1.1	1,175	19.3
20	40	20P001	1.0	1.4	0.6	1.0	23.7	0.3	1.8	28.7±1.1	1,270	19.3
21	42	21P001	1.0	1.4	0.6	1.0	24.5	0.3	1.8	29.5±1.2	1,330	19.3
23	46	23P001	1.0	1.4	0.6	1.0	24.9	0.3	1.9	30.1±1.2	1,395	19.3
24	48	24P001	1.0	1.4	0.6	1.0	26.2	0.3	1.9	31.4±1.3	1,465	19.3
27	54	27P001	1.0	1.4	0.6	1.2	27.2	0.3	1.9	32.4±1.3	1,585	19.3
30	60	30P001	1.0	1.4	0.6	1.2	28.2	0.3	2.0	33.6±1.3	1,735	19.3
32	64	32P001	1.0	1.4	0.6	1.2	29.0	0.3	2.0	34.4±1.4	1,850	19.3
37	74	37P001	1.0	1.4	0.6	1.2	30.4	0.4	2.1	36.4±1.5	2,030	19.3
1	2	01P015	1.5	1.7	0.7	1.0	8.0	0.2	1.2	11.3±0.6	190	12.9
2	4	02P015	1.5	1.7	0.7	1.0	12.2	0.3	1.3	16.2±0.6	390	12.9
3	6	03P015	1.5	1.7	0.7	1.0	12.8	0.3	1.4	17.0±0.6	455	12.9
4	8	04P015	1.5	1.7	0.7	1.0	13.9	0.3	1.4	18.1±0.6	530	12.9
5	10	05P015	1.5	1.7	0.7	1.0	15.3	0.3	1.5	19.7±0.6	625	12.9
6	12	06P015	1.5	1.7	0.7	1.0	16.8	0.3	1.5	21.2±0.6	715	12.9
7	14	07P015	1.5	1.7	0.7	1.0	16.8	0.3	1.5	21.2±0.6	750	12.9
8	16	08P015	1.5	1.7	0.7	1.0	18.5	0.3	1.6	23.1±0.6	855	12.9
9	18	09P015	1.5	1.7	0.7	1.0	19.8	0.3	1.6	24.4±0.6	950	12.9
10	20	10P015	1.5	1.7	0.7	1.0	20.9	0.3	1.7	25.7±1.0	1,020	12.9
12	24	12P015	1.5	1.7	0.7	1.0	21.5	0.3	1.7	26.3±1.1	1,130	12.9
14	28	14P015	1.5	1.7	0.7	1.0	22.7	0.3	1.8	27.7±1.1	1,260	12.9
15	30	15P015	1.5	1.7	0.7	1.0	24.5	0.3	1.8	29.5±1.2	1,375	12.9
16	32	16P015	1.5	1.7	0.7	1.0	24.9	0.3	1.9	30.1±1.2	1,430	12.9
18	36	18P015	1.5	1.7	0.7	1.0	26.4	0.3	1.9	31.6±1.3	1,585	12.9
19	38	19P015	1.5	1.7	0.7	1.2	27.0	0.3	1.9	32.2±1.3	1,610	12.9
20	40	20P015	1.5	1.7	0.7	1.2	28.2	0.3	2.0	33.6±1.3	1,765	12.9
21	42	21P015	1.5	1.7	0.7	1.2	29.1	0.3	2.0	34.5±1.4	1,850	12.9
23	46	23P015	1.5	1.7	0.7	1.2	29.6	0.3	2.0	35.0±1.4	1,945	12.9
24	48	24P015	1.5	1.7	0.7	1.2	31.2	0.4	2.1	37.2±1.5	2,120	12.9
27	54	27P015	1.5	1.7	0.7	1.2	32.0	0.4	2.2	38.2±1.5	2,290	12.9
30	60	30P015	1.5	1.7	0.7	1.2	33.2	0.4	2.2	39.4±1.6	2,495	12.9
32	64	32P015	1.5	1.7	0.7	1.2	34.1	0.4	2.2	40.3±1.6	2,635	12.9
37	74	37P015	1.5	1.7	0.7	1.2	35.8	0.4	2.3	42.2±1.7	2,930	12.9

Example) 250V SFOU(C)1Pr x 1.5mm² Part No. QVSA01P015

Q	V	S	A	01P	015
NEK606	SFOU(C)	Fire resistant (SR)	150/250V	No. of Pair	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

250V Armored Flame retardant, Halogen free collective screened Instrument Cable (Code : 250V RFOU(C) [S102])

250V Armored Flame & Fire resistant, Halogen free collective screened Instrument Cable (Code : 250V SFOU(C) [S113])

No. of pair	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)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QVTA/QVSA	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	2	01P025	2.5	2.2	0.7	1.0	8.8	0.2	1.2	12.1±0.6	235	8.02
2	4	02P025	2.5	2.2	0.7	1.0	13.5	0.3	1.4	17.7±0.6	475	8.02
3	6	03P025	2.5	2.2	0.7	1.0	14.3	0.3	1.4	18.5±0.6	560	8.02
4	8	04P025	2.5	2.2	0.7	1.0	15.4	0.3	1.5	19.8±0.6	670	8.02
5	10	05P025	2.5	2.2	0.7	1.0	17.0	0.3	1.5	21.4±0.6	780	8.02
6	12	06P025	2.5	2.2	0.7	1.0	18.7	0.3	1.6	23.3±0.6	910	8.02
7	14	07P025	2.5	2.2	0.7	1.0	18.7	0.3	1.6	23.3±0.6	970	8.02
8	16	08P025	2.5	2.2	0.7	1.0	20.6	0.3	1.7	25.4±1.0	1,110	8.02
9	18	09P025	2.5	2.2	0.7	1.0	22.1	0.3	1.7	26.9±1.1	1,230	8.02
10	20	10P025	2.5	2.2	0.7	1.0	23.3	0.3	1.8	28.3±1.1	1,315	8.02
12	24	12P025	2.5	2.2	0.7	1.0	24.0	0.3	1.8	29.0±1.2	1,475	8.02
14	28	14P025	2.5	2.2	0.7	1.0	25.4	0.3	1.9	30.6±1.2	1,655	8.02
15	30	15P025	2.5	2.2	0.7	1.2	27.7	0.3	2.0	33.1±1.3	1,830	8.02
16	32	16P025	2.5	2.2	0.7	1.2	28.2	0.3	2.0	33.6±1.3	1,920	8.02
18	36	18P025	2.5	2.2	0.7	1.2	29.9	0.3	2.1	35.5±1.4	2,115	8.02
19	38	19P025	2.5	2.2	0.7	1.2	30.2	0.4	2.1	36.2±1.4	2,155	8.02
20	40	20P025	2.5	2.2	0.7	1.2	31.6	0.4	2.1	37.6±1.5	2,395	8.02
21	42	21P025	2.5	2.2	0.7	1.2	32.6	0.4	2.2	38.8±1.6	2,515	8.02
23	46	23P025	2.5	2.2	0.7	1.2	33.1	0.4	2.2	39.3±1.6	2,675	8.02
24	48	24P025	2.5	2.2	0.7	1.2	35.0	0.4	2.3	41.4±1.7	2,785	8.02
27	54	27P025	2.5	2.2	0.7	1.2	35.8	0.4	2.3	42.2±1.7	3,045	8.02
30	60	30P025	2.5	2.2	0.7	1.4	37.5	0.4	2.4	44.1±1.8	3,310	8.02
32	64	32P025	2.5	2.2	0.7	1.4	38.6	0.4	2.4	45.2±1.8	3,555	8.02
37	74	37P025	2.5	2.2	0.7	1.4	40.5	0.4	2.5	47.3±1.9	3,935	8.02

Example) 250V RFOU(C)1Pr x 2.5mm² Part No. QVTA01P025

Q	V	T	A	01P	025
NEK606	RFOU(C)	Flame retardant	150/250V	No. of Pair	Size (mm ²)

250V Armored Flame retardant, Halogen free collective screened Instrument Cable (Code : 250V RFOU(C) [S102])

250V Armored Flame & Fire resistant, Halogen free collective screened Instrument Cable (Code : 250V SFOU(C) [S113])

No. of Triad	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)
			Nominal sectional area	Max. overall dia.								
Tr	EA	QVTA/QVSA	mm²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	3	01T075	0.75	1.2	0.6	1.0	7.2	0.2	1.1	10.3±0.6	165	26.3
2	6	02T075	0.75	1.2	0.6	1.0	11.2	0.3	1.3	15.2±0.6	340	26.3
3	9	03T075	0.75	1.2	0.6	1.0	11.7	0.3	1.3	15.7±0.6	390	26.3
4	12	04T075	0.75	1.2	0.6	1.0	12.7	0.3	1.4	16.9±0.6	450	26.3
5	15	05T075	0.75	1.2	0.6	1.0	13.9	0.3	1.4	18.1±0.6	525	26.3
6	18	06T075	0.75	1.2	0.6	1.0	15.7	0.3	1.5	20.1±0.6	615	26.3
7	21	07T075	0.75	1.2	0.6	1.0	15.7	0.3	1.5	20.1±0.6	645	26.3
8	24	08T075	0.75	1.2	0.6	1.0	16.9	0.3	1.5	21.3±0.6	720	26.3
9	27	09T075	0.75	1.2	0.6	1.0	18.2	0.3	1.6	22.8±0.6	805	26.3
10	30	10T075	0.75	1.2	0.6	1.0	19.7	0.3	1.6	24.3±0.6	865	26.3
12	36	12T075	0.75	1.2	0.6	1.0	20.4	0.3	1.7	25.2±1.0	965	26.3
14	42	14T075	0.75	1.2	0.6	1.0	21.4	0.3	1.7	26.2±1.0	1,080	26.3
15	45	15T075	0.75	1.2	0.6	1.0	22.2	0.3	1.7	27.0±1.1	1,145	26.3
16	48	16T075	0.75	1.2	0.6	1.0	22.9	0.3	1.8	27.9±1.1	1,200	26.3
18	54	18T075	0.75	1.2	0.6	1.0	24.2	0.3	1.8	29.2±1.2	1,325	26.3
19	57	19T075	0.75	1.2	0.6	1.0	24.4	0.3	1.8	29.4±1.2	1,345	26.3
20	60	20T075	0.75	1.2	0.6	1.0	25.2	0.3	1.9	30.4±1.2	1,430	26.3
21	63	21T075	0.75	1.2	0.6	1.0	25.7	0.3	1.9	30.9±1.2	1,495	26.3
23	69	23T075	0.75	1.2	0.6	1.2	27.2	0.3	1.9	32.4±1.3	1,605	26.3
24	72	24T075	0.75	1.2	0.6	1.2	27.7	0.3	2.0	33.1±1.3	1,650	26.3
27	81	27T075	0.75	1.2	0.6	1.2	29.2	0.3	2.0	34.6±1.4	1,845	26.3
30	90	30T075	0.75	1.2	0.6	1.2	30.7	0.4	2.1	36.7±1.5	2,005	26.3
32	96	32T075	0.75	1.2	0.6	1.2	31.6	0.4	2.1	37.6±1.5	2,215	26.3
1	3	01T001	1.0	1.4	0.6	1.0	7.4	0.2	1.1	10.5±0.6	180	19.3
2	6	02T001	1.0	1.4	0.6	1.0	11.5	0.3	1.3	15.5±0.6	365	19.3
3	9	03T001	1.0	1.4	0.6	1.0	12.0	0.3	1.3	16.0±0.6	420	19.3
4	12	04T001	1.0	1.4	0.6	1.0	13.1	0.3	1.4	17.3±0.6	495	19.3
5	15	05T001	1.0	1.4	0.6	1.0	14.4	0.3	1.4	18.6±0.6	570	19.3
6	18	06T001	1.0	1.4	0.6	1.0	16.2	0.3	1.5	20.6±0.6	670	19.3
7	21	07T001	1.0	1.4	0.6	1.0	16.2	0.3	1.5	20.6±0.6	710	19.3
8	24	08T001	1.0	1.4	0.6	1.0	17.5	0.3	1.6	22.1±0.6	790	19.3
9	27	09T001	1.0	1.4	0.6	1.0	18.8	0.3	1.6	23.4±0.6	885	19.3
10	30	10T001	1.0	1.4	0.6	1.0	20.4	0.3	1.7	25.2±1.0	955	19.3
12	36	12T001	1.0	1.4	0.6	1.0	21.1	0.3	1.7	25.9±1.0	1,070	19.3
14	42	14T001	1.0	1.4	0.6	1.0	22.2	0.3	1.7	27.0±1.1	1,190	19.3
15	45	15T001	1.0	1.4	0.6	1.0	23.0	0.3	1.8	28.0±1.1	1,270	19.3
16	48	16T001	1.0	1.4	0.6	1.0	23.7	0.3	1.8	28.7±1.1	1,340	19.3
18	54	18T001	1.0	1.4	0.6	1.0	25.0	0.3	1.9	30.2±1.2	1,470	19.3
19	57	19T001	1.0	1.4	0.6	1.0	25.3	0.3	1.9	30.5±1.2	1,495	19.3
20	60	20T001	1.0	1.4	0.6	1.0	26.1	0.3	1.9	31.3±1.3	1,600	19.3
21	63	21T001	1.0	1.4	0.6	1.2	27.0	0.3	1.9	32.2±1.3	1,675	19.3
23	69	23T001	1.0	1.4	0.6	1.2	28.2	0.3	2.0	33.6±1.3	1,805	19.3
24	72	24T001	1.0	1.4	0.6	1.2	28.7	0.3	2.0	34.1±1.4	1,875	19.3
27	81	27T001	1.0	1.4	0.6	1.2	30.3	0.4	2.1	36.3±1.5	2,050	19.3
30	90	30T001	1.0	1.4	0.6	1.2	31.8	0.4	2.1	37.8±1.5	2,325	19.3
32	96	32T001	1.0	1.4	0.6	1.2	32.8	0.4	2.2	39.0±1.6	2,455	19.3

Example)

250V RFOU(C)1Tr x 0.75mm² Part No. QVTA01T075

Q	V	T	A	01T	075
NEK606	RFOU(C)	Flame retardant	150/250V	No. of Triad	Size (mm²)

High Voltage Flame Retardant Cable

High Voltage Flame & Fire Resistant Cable

Low Voltage Flame Retardant Cable

Low Voltage Flame & Fire Resistant Cable

Technical information

250V Armored Flame Retardant, Halogen free collective screened Instrument Cable (Code : 250V RFOU(C) [S102])

250V Armored Flame & Fire resistant, Halogen free collective screened Instrument Cable (Code : 250V SFOU(C) [S113])

No. of Triad	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)
			Nominal sectional area	Max. overall dia.								
Tr	EA	QVTA/QVSA	mm ²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	3	01T015	1.5	1.7	0.7	1.0	8.5	0.2	1.2	11.8±0.6	225	12.9
2	6	02T015	1.5	1.7	0.7	1.0	13.4	0.3	1.4	17.6±0.6	460	12.9
3	9	03T015	1.5	1.7	0.7	1.0	14.0	0.3	1.4	18.2±0.6	540	12.9
4	12	04T015	1.5	1.7	0.7	1.0	15.2	0.3	1.5	19.6±0.6	640	12.9
5	15	05T015	1.5	1.7	0.7	1.0	16.8	0.3	1.5	21.2±0.6	755	12.9
6	18	06T015	1.5	1.7	0.7	1.0	19.0	0.3	1.6	23.6±0.6	890	12.9
7	21	07T015	1.5	1.7	0.7	1.0	19.0	0.3	1.6	23.6±0.6	950	12.9
8	24	08T015	1.5	1.7	0.7	1.0	20.5	0.3	1.7	25.3±1.0	1,075	12.9
9	27	09T015	1.5	1.7	0.7	1.0	22.1	0.3	1.7	26.9±1.1	1,195	12.9
10	30	10T015	1.5	1.7	0.7	1.0	23.9	0.3	1.8	28.9±1.2	1,295	12.9
12	36	12T015	1.5	1.7	0.7	1.0	24.8	0.3	1.8	29.8±1.2	1,450	12.9
14	42	14T015	1.5	1.7	0.7	1.0	26.1	0.3	1.9	31.3±1.3	1,640	12.9
15	45	15T015	1.5	1.7	0.7	1.2	27.3	0.3	1.9	32.5±1.3	1,750	12.9
16	48	16T015	1.5	1.7	0.7	1.2	28.2	0.3	2.0	33.6±1.3	1,870	12.9
18	54	18T015	1.5	1.7	0.7	1.2	29.8	0.4	2.0	35.2±1.4	2,055	12.9
19	57	19T015	1.5	1.7	0.7	1.2	30.1	0.4	2.1	36.1±1.4	2,095	12.9
20	60	20T015	1.5	1.7	0.7	1.2	31.0	0.4	2.1	37.0±1.5	2,320	12.9
21	63	21T015	1.5	1.7	0.7	1.2	31.7	0.4	2.1	37.7±1.5	2,425	12.9
23	69	23T015	1.5	1.7	0.7	1.2	33.1	0.4	2.2	39.3±1.6	2,600	12.9
24	72	24T015	1.5	1.7	0.7	1.2	33.8	0.4	2.2	40.0±1.6	2,680	12.9
27	81	27T015	1.5	1.7	0.7	1.2	35.7	0.4	2.3	42.1±1.7	2,960	12.9
30	90	30T015	1.5	1.7	0.7	1.4	37.8	0.4	2.4	44.4±1.8	3,225	12.9
32	96	32T015	1.5	1.7	0.7	1.4	39.0	0.4	2.4	45.6±1.8	3,465	12.9
1	3	01T025	2.5	2.2	0.7	1.0	9.3	0.3	1.2	12.6±0.6	270	8.02
2	6	02T025	2.5	2.2	0.7	1.0	14.9	0.3	1.5	19.3±0.6	565	8.02
3	9	03T025	2.5	2.2	0.7	1.0	15.6	0.3	1.5	20.0±0.6	685	8.02
4	12	04T025	2.5	2.2	0.7	1.0	17.0	0.3	1.5	21.4±0.6	820	8.02
5	15	05T025	2.5	2.2	0.7	1.0	18.7	0.3	1.6	23.3±0.6	980	8.02
6	18	06T025	2.5	2.2	0.7	1.0	21.2	0.3	1.7	26.0±1.0	1,160	8.02
7	21	07T025	2.5	2.2	0.7	1.0	21.2	0.3	1.7	26.0±1.0	1,240	8.02
8	24	08T025	2.5	2.2	0.7	1.0	22.9	0.3	1.8	27.9±1.1	1,395	8.02
9	27	09T025	2.5	2.2	0.7	1.0	24.7	0.3	1.8	29.7±1.2	1,570	8.02
10	30	10T025	2.5	2.2	0.7	1.2	27.1	0.3	1.9	32.3±1.3	1,700	8.02
12	36	12T025	2.5	2.2	0.7	1.2	28.1	0.3	2.0	33.5±1.3	1,965	8.02
14	42	14T025	2.5	2.2	0.7	1.2	29.5	0.3	2.0	34.9±1.4	2,205	8.02
15	45	15T025	2.5	2.2	0.7	1.2	30.6	0.4	2.1	36.6±1.5	2,355	8.02
16	48	16T025	2.5	2.2	0.7	1.2	31.6	0.4	2.1	37.6±1.5	2,565	8.02
18	54	18T015	2.5	2.2	0.7	1.2	33.4	0.4	2.2	39.6±1.6	2,845	8.02
19	57	19T025	2.5	2.2	0.7	1.2	33.7	0.4	2.2	39.9±1.6	2,905	8.02
20	60	20T025	2.5	2.2	0.7	1.2	34.8	0.4	2.3	41.2±1.6	3,090	8.02
21	63	21T025	2.5	2.2	0.7	1.2	35.6	0.4	2.3	42.0±1.7	3,255	8.02
23	69	23T025	2.5	2.2	0.7	1.4	37.4	0.4	2.4	44.0±1.8	3,475	8.02
24	72	24T025	2.5	2.2	0.7	1.4	38.2	0.4	2.4	44.8±1.8	3,590	8.02
27	81	27T025	2.5	2.2	0.7	1.4	40.3	0.4	2.5	47.1±1.9	4,005	8.02
30	90	30T025	2.5	2.2	0.7	1.4	42.4	0.4	2.6	49.4±2.0	4,400	8.02
32	96	32T025	2.5	2.2	0.7	1.4	43.7	0.4	2.6	50.7±2.0	4,685	8.02

Example) 250V SFOU(C)1Tr x 1.5mm² Part No. QVSA01T015

Q	V	S	A	01T	015
NEK606	SFOU(C)	Fire resistant (SR)	150/250V	No. of Triad	Size (mm ²)