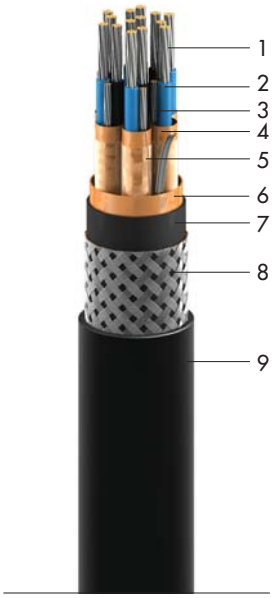
LV Instrument cable

Armored Flame Retardant, Halogen free Individually screened Instrument Cables (250V RFOU(I), RFOU(I/C)
Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cables (250V SFOU(I), SFOU(I/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℃

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 Sillicon rubber (S95-SFOU) as per IEC 60092-360

3 **Pair/triple twisting** : Two/three insulated cores twisted together with suitable lay length

4 **Individual screening** : Wrapped by copper or aluminium backed polyester tape with tinned copper drain wire

5 **Core assembly** : Screened pairs/triples are laid up with non-hygroscopic fillers and the binder tape may be applicable

6 **Collective screening** (option) : Wrapped by copper or aluminium backed polyester tape with tinned copper drain wire

7 **Bedding** : Halogen-free compound(Inner covering)

8 **Armor** : Copper wires braid(screen) as per IEC 60092-376
— RFCU(option) : Galvanized steel wire braid as per IEC 60092-376

9 **Outer Sheath** : Halogen-free thermosetting compounding 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℃ 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℃), Cold impact(-50℃)
- **Oil/Mud resistance(option)** : NEK TS 606 5th ed (Category a, b, c, d)


-35 to 90℃


Flame & Fire resistant
IEC 60332-3 A
& IEC 60331


Cold impact
CSA C22.2 No.38, -65℃
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

ABS · Lloyd's Register · DNV·GL · Bureau Veritas 1828

250V Armored Flame retardant, Halogen free Individually screened Instrument Cable (Code : 250V RFOU(I)[S101], RFOU(I/C))
250V Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cable (Code : 250V SFOU(I)[S112], SFOU(I/C))

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℃)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QSTA/QSSA	mm²	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	155	26.3
2	4	02P075	0.75	1.2	0.6	1.0	10.5	0.3	1.3	14.5±0.6	325	26.3
3	6	03P075	0.75	1.2	0.6	1.0	11.1	0.3	1.3	15.1±0.6	375	26.3
4	8	04P075	0.75	1.2	0.6	1.0	11.9	0.3	1.3	15.9±0.6	435	26.3
5	10	05P075	0.75	1.2	0.6	1.0	13.1	0.3	1.4	17.3±0.6	510	26.3
6	12	06P075	0.75	1.2	0.6	1.0	14.4	0.3	1.4	18.6±0.6	580	26.3
7	14	07P075	0.75	1.2	0.6	1.0	14.4	0.3	1.4	18.6±0.6	610	26.3
8	16	08P075	0.75	1.2	0.6	1.0	15.8	0.3	1.5	20.2±0.6	695	26.3
9	18	09P075	0.75	1.2	0.6	1.0	16.9	0.3	1.5	21.3±0.6	770	26.3
10	20	10P075	0.75	1.2	0.6	1.0	17.8	0.3	1.6	22.4±0.6	815	26.3
12	24	12P075	0.75	1.2	0.6	1.0	18.3	0.3	1.6	22.9±0.6	920	26.3
14	28	14P075	0.75	1.2	0.6	1.0	19.4	0.3	1.6	24.0±0.6	1,025	26.3
15	30	15P075	0.75	1.2	0.6	1.0	20.8	0.3	1.7	25.6±1.0	1,115	26.3
16	32	16P075	0.75	1.2	0.6	1.0	21.2	0.3	1.7	26.0±1.0	1,160	26.3
18	36	18P075	0.75	1.2	0.6	1.0	22.4	0.3	1.8	27.4±1.1	1,275	26.3
19	38	19P075	0.75	1.2	0.6	1.0	22.7	0.3	1.8	27.7±1.1	1,295	26.3
20	40	20P075	0.75	1.2	0.6	1.0	23.7	0.3	1.8	28.7±1.1	1,395	26.3
21	42	21P075	0.75	1.2	0.6	1.0	24.5	0.3	1.8	29.5±1.2	1,460	26.3
23	46	23P075	0.75	1.2	0.6	1.0	24.9	0.3	1.9	30.1±1.2	1,540	26.3
24	48	24P075	0.75	1.2	0.6	1.0	26.2	0.3	1.9	31.4±1.3	1,620	26.3
27	54	27P075	0.75	1.2	0.6	1.2	27.2	0.3	1.9	32.4±1.3	1,755	26.3
30	60	30P075	0.75	1.2	0.6	1.2	28.2	0.3	2.0	33.6±1.3	1,925	26.3
32	64	32P075	0.75	1.2	0.6	1.2	29.0	0.3	2.0	34.4±1.4	2,050	26.3
37	74	37P075	0.75	1.2	0.6	1.2	30.4	0.4	2.1	36.4±1.5	2,265	26.3

Example) **250V RFOU(I) 1Pr x 0.75**mm² Part No.**QSTA01P075**

Q	S	T	A	01P	075
NEK606	RFOU(I)	Flame retardant	150/250V	No. of Pair	Size (mm²)

Nexans Kukdong

250V Armored Flame retardant, Halogen free Individually screened Instrument Cable (Code : 250V RFOU(I)[S101], RFOU(I/C))
250V Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cable (Code : 250V SFOU(I)[S112], SFOU(I/C))

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℃)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QSTA/QSSA	mm²	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	165	19.3
2	4	02P001	1.0	1.4	0.6	1.0	10.9	0.3	1.3	14.9±0.6	350	19.3
3	6	03P001	1.0	1.4	0.6	1.0	11.4	0.3	1.3	15.4±0.6	405	19.3
4	8	04P001	1.0	1.4	0.6	1.0	12.3	0.3	1.3	16.3±0.6	470	19.3
5	10	05P001	1.0	1.4	0.6	1.0	13.6	0.3	1.4	17.8±0.6	555	18.2
6	12	06P001	1.0	1.4	0.6	1.0	14.9	0.3	1.5	19.3±0.6	635	19.3
7	14	07P001	1.0	1.4	0.6	1.0	14.9	0.3	1.5	19.3±0.6	675	19.3
8	16	08P001	1.0	1.4	0.6	1.0	16.4	0.3	1.5	20.8±0.6	765	19.3
9	18	09P001	1.0	1.4	0.6	1.0	17.5	0.3	1.6	22.1±0.6	845	19.3
10	20	10P001	1.0	1.4	0.6	1.0	18.4	0.3	1.6	23.0±0.6	910	19.3
12	24	12P001	1.0	1.4	0.6	1.0	19.0	0.3	1.6	23.6±0.6	1,015	18.2
14	28	14P001	1.0	1.4	0.6	1.0	20.0	0.3	1.7	24.8±0.6	1,140	19.3
15	30	15P001	1.0	1.4	0.6	1.0	21.6	0.3	1.7	26.4±1.1	1,240	19.3
16	32	16P001	1.0	1.4	0.6	1.0	22.0	0.3	1.7	26.8±1.1	1,290	19.3
18	36	18P001	1.0	1.4	0.6	1.0	23.2	0.3	1.8	28.2±1.1	1,430	19.3
19	38	19P001	1.0	1.4	0.6	1.0	23.5	0.3	1.8	28.5±1.1	1,460	19.3
20	40	20P001	1.0	1.4	0.6	1.0	24.6	0.3	1.8	29.6±1.2	1,555	19.3
21	42	21P001	1.0	1.4	0.6	1.0	25.3	0.3	1.9	30.5±1.2	1,630	19.3
23	46	23P001	1.0	1.4	0.6	1.0	25.8	0.3	1.9	31.0±1.2	1,735	19.3
24	48	24P001	1.0	1.4	0.6	1.2	27.5	0.3	2.0	32.9±1.3	1,810	19.3
27	54	27P001	1.0	1.4	0.6	1.2	28.1	0.3	2.0	33.5±1.3	1,990	19.3
30	60	30P001	1.0	1.4	0.6	1.2	29.2	0.3	2.0	34.6±1.4	2,175	19.3
32	64	32P001	1.0	1.4	0.6	1.2	30.0	0.3	2.1	35.6±1.4	2,300	19.3
37	74	37P001	1.0	1.4	0.6	1.2	31.5	0.4	2.1	37.5±1.5	2,645	19.3
1	2	01P015	1.5	1.7	0.7	1.0	8.0	0.2	1.2	11.3±0.6	200	12.9
2	4	02P015	1.5	1.7	0.7	1.0	12.5	0.3	1.4	16.7±0.6	425	12.9
3	6	03P015	1.5	1.7	0.7	1.0	13.2	0.3	1.4	17.4±0.6	505	12.9
4	8	04P015	1.5	1.7	0.7	1.0	14.3	0.3	1.4	18.5±0.6	600	12.9
5	10	05P015	1.5	1.7	0.7	1.0	15.7	0.3	1.5	20.1±0.6	705	12.9
6	12	06P015	1.5	1.7	0.7	1.0	17.3	0.3	1.5	21.7±0.6	815	12.9
7	14	07P015	1.5	1.7	0.7	1.0	17.3	0.3	1.5	21.7±0.6	865	12.9
8	16	08P015	1.5	1.7	0.7	1.0	19.0	0.3	1.6	23.6±0.6	990	12.9
9	18	09P015	1.5	1.7	0.7	1.0	20.4	0.3	1.7	25.2±1.0	1,100	12.9
10	20	10P015	1.5	1.7	0.7	1.0	21.5	0.3	1.7	26.3±1.1	1,175	12.9
12	24	12P015	1.5	1.7	0.7	1.0	22.1	0.3	1.7	26.9±1.1	1,320	12.9
14	28	14P015	1.5	1.7	0.7	1.0	23.4	0.3	1.8	28.4±1.1	1,495	12.9
15	30	15P015	1.5	1.7	0.7	1.0	25.2	0.3	1.9	30.4±1.2	1,615	12.9
16	32	16P015	1.5	1.7	0.7	1.0	25.7	0.3	1.9	30.9±1.2	1,695	12.9
18	36	18P015	1.5	1.7	0.7	1.2	27.5	0.3	2.0	32.9±1.3	1,870	12.9
19	38	19P015	1.5	1.7	0.7	1.2	27.8	0.3	2.0	33.2±1.3	1,930	12.9
20	40	20P015	1.5	1.7	0.7	1.2	29.1	0.3	2.0	34.5±1.4	2,075	12.9
21	42	21P015	1.5	1.7	0.7	1.2	30.0	0.3	2.1	35.6±1.4	2,175	12.9
23	46	23P015	1.5	1.7	0.7	1.2	30.5	0.4	2.1	36.5±1.5	2,305	12.9
24	48	24P015	1.5	1.7	0.7	1.2	32.2	0.4	2.2	38.4±1.5	2,495	12.9
27	54	27P015	1.5	1.7	0.7	1.2	32.9	0.4	2.2	39.1±1.6	2,725	12.9
30	60	30P015	1.5	1.7	0.7	1.2	34.2	0.4	2.2	40.4±1.6	2,960	12.9
32	64	33P015	1.5	1.7	0.7	1.2	35.2	0.4	2.3	41.6±1.7	3,130	12.9
37	74	37P015	1.5	1.7	0.7	1.2	36.9	0.4	2.3	43.3±1.7	3,495	12.9

Example) **250V SFOU(I) 1Pr x 1.5**mm² Part No.**QSSA01P015**

Q	S	S	A	01P	015
NEK606	SFOU(I)	Fire resistant (SR)	150/250V	No. of Pair	Size (mm²)

250V Armored Flame retardant, Halogen free Individually screened Instrument Cable (Code : 250V RFOU(I)[S101], RFOU(I/C))
250V Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cable (Code : 250V SFOU(I)[S112], SFOU(I/C))

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℃)
			Nominal sectional area	Max. overall dia.								
Pr	EA	QSTA	mm²	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω /km
1	2	01PQ25	2.5	2.2	0.7	1.0	8.8	0.2	1.2	12.1±0.6	240	8.02
2	4	02PQ25	2.5	2.2	0.7	1.0	13.9	0.3	1.4	18.1±0.6	520	8.02
3	6	03PQ25	2.5	2.2	0.7	1.0	14.6	0.3	1.4	18.8±0.6	625	8.02
4	8	04PQ25	2.5	2.2	0.7	1.0	15.8	0.3	1.5	20.2±0.6	750	8.02
5	10	05PQ25	2.5	2.2	0.7	1.0	17.5	0.3	1.6	22.1±0.6	885	8.02
6	12	06PQ25	2.5	2.2	0.7	1.0	19.2	0.3	1.6	23.8±0.6	1,040	8.02
7	14	07PQ25	2.5	2.2	0.7	1.0	19.2	0.3	1.6	23.8±0.6	1,110	8.02
8	16	08PQ25	2.5	2.2	0.7	1.0	21.2	0.3	1.7	26.0±1.0	1,270	8.02
9	18	09PQ25	2.5	2.2	0.7	1.0	22.7	0.3	1.8	27.7±1.1	1,410	8.02
10	20	10PQ25	2.5	2.2	0.7	1.0	23.9	0.3	1.8	28.9±1.2	1,515	8.02
12	24	12PQ25	2.5	2.2	0.7	1.0	24.7	0.3	1.8	29.7±1.2	1,710	8.02
14	28	14PQ25	2.5	2.2	0.7	1.0	26.1	0.3	1.9	31.3±1.3	1,945	8.02
15	30	15PQ25	2.5	2.2	0.7	1.2	28.4	0.3	2.0	33.8±1.4	2,140	8.02
16	32	16PQ25	2.5	2.2	0.7	1.2	29.0	0.3	2.0	34.4±1.4	2,235	8.02
18	36	18PQ25	2.5	2.2	0.7	1.2	30.6	0.4	2.1	36.6±1.5	2,485	8.02
19	38	19PQ25	2.5	2.2	0.7	1.2	31.0	0.4	2.1	37.0±1.5	2,615	8.02
20	40	20PQ25	2.5	2.2	0.7	1.2	32.4	0.4	2.2	38.6±1.5	2,790	8.02
21	42	21PQ25	2.5	2.2	0.7	1.2	33.5	0.4	2.2	39.7±1.6	2,945	8.02
23	46	23PQ25	2.5	2.2	0.7	1.2	34.0	0.4	2.2	40.2±1.6	3,120	8.02
24	48	24PQ25	2.5	2.2	0.7	1.4	35.9	0.4	2.3	42.3±1.7	3,275	8.02
27	54	27PQ25	2.5	2.2	0.7	1.4	36.8	0.4	2.3	43.2±1.7	3,570	8.02
30	60	30PQ25	2.5	2.2	0.7	1.4	38.5	0.4	2.4	45.1±1.8	3,945	8.02
32	64	32PQ25	2.5	2.2	0.7	1.4	39.6	0.4	2.5	46.4±1.9	4,175	8.02
37	74	37PQ25	2.5	2.2	0.7	1.4	41.6	0.4	2.5	48.4±1.9	4,670	8.02

Example) **250V RFOU(I) 1Pr x 2.5**mm² Part No.**QSTA01PQ25**

Q	S	T	A	01P	025
NEK606	RFOU(I)	Flame retardant	150/250V	No. of Pair	Size (mm²)

Nexans Kukdong

250V Armored Flame retardant, Halogen free Individually screened Instrument Cable (Code : 250V RFOU(I)[S101], RFOU(I/C))
250V Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cable (Code : 250V SFOU(I)[S112], SFOU(I/C))

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℃)
			Nominal sectional area	Max. overall dia.								
Tr	EA	QSTA/QSSA	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	170	26.3
2	6	02T075	0.75	1.2	0.6	1.0	11.5	0.3	1.3	15.5±0.6	370	26.3
3	9	03T075	0.75	1.2	0.6	1.0	12.0	0.3	1.3	16.0±0.6	430	26.3
4	12	04T075	0.75	1.2	0.6	1.0	13.1	0.3	1.4	17.3±0.6	515	26.3
5	15	05T075	0.75	1.2	0.6	1.0	14.4	0.3	1.4	18.6±0.6	595	26.3
6	18	06T075	0.75	1.2	0.6	1.0	16.2	0.3	1.5	20.6±0.6	700	26.3
7	21	07T075	0.75	1.2	0.6	1.0	16.2	0.3	1.5	20.6±0.6	740	26.3
8	24	08T075	0.75	1.2	0.6	1.0	17.5	0.3	1.6	22.1±0.6	825	26.3
9	27	09T075	0.75	1.2	0.6	1.0	18.8	0.3	1.6	23.4±0.6	930	26.3
10	30	10T075	0.75	1.2	0.6	1.0	20.4	0.3	1.7	25.2±1.0	1,000	26.3
12	36	12T075	0.75	1.2	0.6	1.0	21.1	0.3	1.7	25.9±1.0	1,130	26.3
14	42	14T075	0.75	1.2	0.6	1.0	22.2	0.3	1.7	27.0±1.1	1,260	26.3
15	45	15T075	0.75	1.2	0.6	1.0	23.0	0.3	1.8	28.0±1.1	1,340	26.3
16	48	16T075	0.75	1.2	0.6	1.0	23.7	0.3	1.8	28.7±1.1	1,415	26.3
18	54	18T075	0.75	1.2	0.6	1.0	25.0	0.3	1.9	30.2±1.2	1,555	26.3
19	57	19T075	0.75	1.2	0.6	1.0	25.3	0.3	1.9	30.5±1.2	1,585	26.3
20	60	20T075	0.75	1.2	0.6	1.0	26.1	0.3	1.9	31.3±1.3	1,700	26.3
21	63	21T075	0.75	1.2	0.6	1.2	27.0	0.3	1.9	32.2±1.3	1,775	26.3
23	69	23T075	0.75	1.2	0.6	1.2	28.2	0.3	2.0	33.6±1.3	1,915	26.3
24	72	24T075	0.75	1.2	0.6	1.2	28.7	0.3	2.0	34.1±1.4	1,990	26.3
27	81	27T075	0.75	1.2	0.6	1.2	30.3	0.4	2.1	36.3±1.5	2,180	26.3
30	90	30T075	0.75	1.2	0.6	1.2	31.8	0.4	2.1	37.8±1.5	2,470	26.3
32	96	32T075	0.75	1.2	0.6	1.2	32.8	0.4	2.2	39.0±1.6	2,610	26.3
1	3	01T001	1.0	1.4	0.6	1.0	7.4	0.2	1.1	10.5±0.6	185	19.3
2	6	02T001	1.0	1.4	0.6	1.0	11.9	0.3	1.3	15.9±0.6	400	19.3
3	9	03T001	1.0	1.4	0.6	1.0	12.4	0.3	1.4	16.6±0.6	465	19.3
4	12	04T001	1.0	1.4	0.6	1.0	13.5	0.3	1.4	17.7±0.6	560	19.3
5	15	05T001	1.0	1.4	0.6	1.0	14.9	0.3	1.5	19.3±0.6	655	19.3
6	18	06T001	1.0	1.4	0.6	1.0	16.8	0.3	1.5	21.2±0.6	765	19.3
7	21	07T001	1.0	1.4	0.6	1.0	16.8	0.3	1.5	21.2±0.6	815	19.3
8	24	08T001	1.0	1.4	0.6	1.0	18.1	0.3	1.6	22.7±0.6	930	19.3
9	27	09T001	1.0	1.4	0.6	1.0	19.5	0.3	1.6	24.1±0.6	1,030	19.3
10	30	10T001	1.0	1.4	0.6	1.0	21.1	0.3	1.7	25.9±1.0	1,120	19.3
12	36	12T001	1.0	1.4	0.6	1.0	21.9	0.3	1.7	26.7±1.1	1,255	19.3
14	42	14T001	1.0	1.4	0.6	1.0	23.0	0.3	1.8	28.0±1.1	1,405	19.3
15	45	15T001	1.0	1.4	0.6	1.0	23.8	0.3	1.8	28.8±1.2	1,510	19.3
16	48	16T001	1.0	1.4	0.6	1.0	24.6	0.3	1.8	29.6±1.2	1,580	19.3
18	54	18T001	1.0	1.4	0.6	1.0	25.9	0.3	1.9	31.1±1.2	1,750	19.3
19	57	19T001	1.0	1.4	0.6	1.0	26.2	0.3	1.9	31.4±1.3	1,790	19.3
20	60	20T001	1.0	1.4	0.6	1.2	27.3	0.3	1.9	32.5±1.3	1,900	19.3
21	63	21T001	1.0	1.4	0.6	1.2	27.9	0.3	2.0	33.3±1.3	2,010	19.3
23	69	23T001	1.0	1.4	0.6	1.2	29.2	0.3	2.0	34.6±1.4	2,165	19.3
24	72	24T001	1.0	1.4	0.6	1.2	29.7	0.3	2.0	35.1±1.4	2,230	19.3
27	81	27T001	1.0	1.4	0.6	1.2	31.4	0.4	2.1	37.4±1.5	2,545	19.3
30	90	30T001	1.0	1.4	0.6	1.2	33.0	0.4	2.2	39.2±1.6	2,770	19.3
32	96	32T001	1.0	1.4	0.6	1.2	34.0	0.4	2.2	40.2±1.6	2,950	19.3

Example) **250V RFOU(I) 1Tr x 0.75mm²** Part No.**QSTA01T075**

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

250V Armored Flame retardant, Halogen free Individually screened Instrument Cable (Code : 250V RFOU(I)[S101], RFOU(I/C))
250V Armored Flame & Fire resistant, Halogen free Individually screened Instrument Cable (Code : 250V SFOU(I)[S112], SFOU(I/C))

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℃)
			Nominal sectional area	Max. overall dia.								
Tr	EA	QSTA/QSSA	mm²	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	230	12.9
2	6	02T015	1.5	1.7	0.7	1.0	13.7	0.3	1.4	17.9±0.6	500	12.9
3	9	03T015	1.5	1.7	0.7	1.0	14.4	0.3	1.4	18.6±0.6	595	12.9
4	12	04T015	1.5	1.7	0.7	1.0	15.7	0.3	1.5	20.1±0.6	720	12.9
5	15	05T015	1.5	1.7	0.7	1.0	17.3	0.3	1.5	21.7±0.6	845	12.9
6	18	06T015	1.5	1.7	0.7	1.0	19.5	0.3	1.6	24.1±0.6	1,000	12.9
7	21	07T015	1.5	1.7	0.7	1.0	19.5	0.3	1.6	24.1±0.6	1,070	12.9
8	24	08T015	1.5	1.7	0.7	1.0	21.1	0.3	1.7	25.9±1.0	1,215	12.9
9	27	09T015	1.5	1.7	0.7	1.0	22.7	0.3	1.8	27.7±1.1	1,350	12.9
10	30	10T015	1.5	1.7	0.7	1.0	24.7	0.3	1.8	29.7±1.2	1,460	12.9
12	36	12T015	1.5	1.7	0.7	1.2	25.6	0.3	1.9	30.8±1.2	1,650	12.9
14	42	14T015	1.5	1.7	0.7	1.2	27.2	0.3	1.9	32.4±1.3	1,870	12.9
15	45	15T015	1.5	1.7	0.7	1.2	28.1	0.3	2.0	33.5±1.3	2,020	12.9
16	48	16T015	1.5	1.7	0.7	1.2	29.1	0.3	2.0	34.5±1.4	2,130	12.9
18	54	18T015	1.5	1.7	0.7	1.2	30.7	0.4	2.1	36.7±1.5	2,355	12.9
19	57	19T015	1.5	1.7	0.7	1.2	31.0	0.4	2.1	37.0±1.5	2,495	12.9
20	60	20T015	1.5	1.7	0.7	1.2	32.0	0.4	2.2	38.2±1.5	2,650	12.9
21	63	21T015	1.5	1.7	0.7	1.2	32.7	0.4	2.2	38.9±1.6	2,770	12.9
23	69	23T015	1.5	1.7	0.7	1.2	34.1	0.4	2.2	40.3±1.6	2,980	12.9
24	72	24T015	1.5	1.7	0.7	1.2	34.8	0.4	2.3	41.2±1.6	3,075	12.9
27	81	27T015	1.5	1.7	0.7	1.2	36.8	0.4	2.3	43.2±1.7	3,400	12.9
30	90	30T015	1.5	1.7	0.7	1.4	39.0	0.4	2.4	45.6±1.8	3,765	12.9
32	96	32T015	1.5	1.7	0.7	1.4	40.2	0.4	2.5	47.0±1.9	3,990	12.9
1	3	01T025	2.5	2.2	0.7	1.0	9.3	0.2	1.2	12.6±0.6	275	8.02
2	6	02T025	2.5	2.2	0.7	1.0	15.2	0.3	1.5	19.6±0.6	620	8.02
3	9	03T025	2.5	2.2	0.7	1.0	15.9	0.3	1.5	20.3±0.6	755	8.02
4	12	04T025	2.5	2.2	0.7	1.0	17.4	0.3	1.6	22.0±0.6	905	8.02
5	15	05T025	2.5	2.2	0.7	1.0	19.2	0.3	1.6	23.8±0.6	1,090	8.02
6	18	06T025	2.5	2.2	0.7	1.0	21.7	0.3	1.7	26.5±1.1	1,290	8.02
7	21	07T025	2.5	2.2	0.7	1.0	21.7	0.3	1.7	26.5±1.1	1,385	8.02
8	24	08T025	2.5	2.2	0.7	1.0	23.5	0.3	1.8	28.5±1.1	1,575	8.02
9	27	09T025	2.5	2.2	0.7	1.0	25.3	0.3	1.9	30.5±1.2	1,760	8.02
10	30	10T025	2.5	2.2	0.7	1.2	27.8	0.3	2.0	33.2±1.3	1,935	8.02
12	36	12T025	2.5	2.2	0.7	1.2	28.8	0.3	2.0	34.2±1.4	2,210	8.02
14	42	14T025	2.5	2.2	0.7	1.2	30.3	0.4	2.1	36.3±1.5	2,495	8.02
15	45	15T025	2.5	2.2	0.7	1.2	31.4	0.4	2.1	37.4±1.5	2,755	8.02
16	48	16T025	2.5	2.2	0.7	1.2	32.4	0.4	2.2	38.6±1.5	2,890	8.02
18	54	18T015	2.5	2.2	0.7	1.2	34.2	0.4	2.2	40.4±1.6	3,215	8.02
19	57	19T025	2.5	2.2	0.7	1.2	34.6	0.4	2.3	41.0±1.6	3,290	8.02
20	60	20T025	2.5	2.2	0.7	1.2	35.7	0.4	2.3	42.1±1.7	3,520	8.02
21	63	21T025	2.5	2.2	0.7	1.2	36.5	0.4	2.3	42.9±1.7	3,685	8.02
23	69	23T025	2.5	2.2	0.7	1.4	38.4	0.4	2.4	45.0±1.8	3,995	8.02
24	72	24T025	2.5	2.2	0.7	1.4	39.2	0.4	2.4	45.8±1.8	4,130	8.02
27	81	27T025	2.5	2.2	0.7	1.4	41.4	0.4	2.5	48.2±1.9	4,575	8.02
30	90	30T025	2.5	2.2	0.7	1.4	43.5	0.4	2.6	50.5±2.0	5,030	8.02
32	96	32T025	2.5	2.2	0.7	1.4	44.9	0.4	2.7	52.1±2.1	5,330	8.02

Example) **250V SFOU(I) 1Tr x 1.5mm²** Part No.**QSSA01T015**

Q	S	S	A	01T	015
NEK606	SFOU(I)	Fire resistant (SR)	150/250V	No. of Triad	Size (mm²)

Nexans Kukdong