

0.6/1kV BFOU MULTI CORE [P5], [P5/P12]

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

Construction Details

- Conductor : Circular tinned stranded copper as per IEC 60228, Class 2
- Fire proof layer : Mica/Glass tape
- Insulation : Halogen Free Ethylene Propylene Rubber
- Cabling (with filler)
- Inner covering : Halogen free thermosetting compound
- Armour : Copper wire braid
- Outer sheath : Halogen - free thermosetting compound, SHF2 or SHF Mud

Standard Applied

- Design guideline : NEK 606 - 2009 & IEC 60092 - 353
- Material
 - Insulation : HF - EPR as per IEC 60092 - 351
 - Sheath : SHF2 as per IEC 60092 - 359
- Flame retardant : IEC 60332 - 3 - 22, Cat.A
- Fire resistant : IEC 60331(- 21/ - 31/ - 1/ - 2), 830 ° C for 120 Min.
- Halogen free properties : IEC 60754 - 1,2
- Low smoke properties : IEC 61034 - 1,2
- Mud resistant : NEK 606 - 2009
- Cold properties : CSA C22.2
- Sunlight resistance : UL 1581

Identification of color

- Insulation : Numbering on White core
Note) Any other colors purchaser required
- Outer sheath : Black
Note) Any other colors purchaser required

Type approval

- ABS, BV, DNV, LR



IEC 60092 - 351;
IEC 60092 - 353; IEC 60092 - 359;
IEC 60331; IEC 60332 - 3 Cat.A;
IEC 60754 - 1; IEC 61034;
IEC 61034 - 2
NEK 606

	1.0 mm
U ₀ /U (U _m)	0.6/ 1 (1.2) kV



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Product list

Nb. of cores	[mm ²]	Inner sheath thick [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	[mm]	Nom. outer diam. [mm]	([kg/km])
5	1	1.0	12.3	13.9	1.4	16.9	425
5	1.5	1.0	13.1	14.7	1.4	17.7	475
5	2.5	1.0	14.2	15.8	1.4	18.8	555
6	1	1.0	13.5	15.1	1.4	18.1	485
6	1.5	1.0	14.4	16.0	1.4	19.0	545
6	2.5	1.0	15.6	17.2	1.5	20.4	650
7	1	1.0	13.5	15.1	1.4	18.1	490
7	1.5	1.0	14.4	16.0	1.4	19.0	555
7	2.5	1.0	15.6	17.2	1.5	20.4	665
8	1	1.0	15.9	17.5	1.5	20.7	630
8	1.5	1.0	17	18.6	1.5	21.8	715
8	2.5	1.0	18.4	20.0	1.6	23.4	855
9	1	1.0	17.1	18.7	1.5	21.9	625
9	1.5	1.0	18.3	19.9	1.6	23.3	720
9	2.5	1.0	19.9	21.5	1.7	25.1	860
10	1	1.0	17.4	19.0	1.6	22.4	695
10	1.5	1.0	18.6	20.2	1.6	23.6	790
10	2.5	1.0	20.2	21.8	1.7	25.4	955
12	1	1.0	18	19.6	1.6	23.0	755
12	1.5	1.0	19.3	20.9	1.6	24.3	860
12	2.5	1.0	20.9	22.5	1.7	26.1	1045
14	1	1.0	19	20.6	1.6	24.0	825
14	1.5	1.0	20.3	21.9	1.7	25.5	965
14	2.5	1.0	22.1	23.7	1.7	27.3	1160
16	1	1.0	20.1	21.7	1.7	25.3	895
16	1.5	1.0	21.5	23.1	1.7	26.7	1035
16	2.5	1.0	23.4	25.0	1.8	28.8	1265
19	1	1.0	21.3	22.9	1.7	26.5	990
19	1.5	1.0	22.8	24.4	1.8	28.2	1160
19	2.5	1.0	24.8	26.4	1.9	30.4	1420
20	1	1.0	22.5	24.1	1.8	27.9	1090
20	1.5	1.0	24.1	25.7	1.8	29.5	1260
20	2.5	1.0	26.2	27.8	1.9	31.8	1545
23	1	1.0	24.5	26.1	1.8	29.9	1230
23	1.5	1.0	26.2	27.8	1.9	31.8	1435
23	2.5	1.2	28.9	30.5	2.0	34.7	1805
24	1	1.0	25.2	26.8	1.9	30.8	1260
24	1.5	1.2	27.4	29.0	2.0	33.2	1510



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24	2.5	1.2	29.8	31.4	2.1	35.8	1850
27	1	1.0	25.8	27.4	1.9	31.4	1340
27	1.5	1.2	28.1	29.7	2.0	33.9	1615
27	2.5	1.2	30.5	32.5	2.1	36.9	2070
30	1	1.2	27.2	28.8	2.0	33.0	1495
30	1.5	1.2	29.1	30.7	2.0	34.9	1735
30	2.5	1.2	31.7	33.7	2.1	38.1	2235
33	1	1.2	28.3	29.9	2.0	34.1	1580
33	1.5	1.2	30.3	32.3	2.1	36.7	1940
33	2.5	1.2	33	35.0	2.2	39.6	2390
37	1	1.2	29.5	31.1	2.0	35.3	1700
37	1.5	1.2	31.6	33.6	2.1	38.0	2090
37	2.5	1.2	34.4	36.4	2.3	41.2	2605
44	1	1.2	33.4	35.4	2.2	40.0	2095
44	1.5	1.2	35.8	37.8	2.3	42.6	2460
44	2.5	1.4	39.2	41.2	2.4	46.2	3075



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