



BU (I+C) 250 V

Halogen Free, Fire Resistant, Flame Retardant,
Low Smoke, (optional Mud Resistant)

Application

Fixed installation for control, instrumentation and telecommunication in both explosion and safe areas, emergency and critical systems where requirement for fire resistance exists.

Applicable standards

NEK TS 606: 2009
 IEC 60092-376 : Design
 IEC 60331-21 : Fire Resistant
 IEC 60331-31 : Fire Resistant with shock (for cables having diameter more than 20 mm)
 IEC 60332-3-22 Cat A : Flame Retardant
 IEC 60754-1&2 : Halogen Free Properties
 IEC 61034-1&2 : Low Smoke Properties

Operational Climatic Conditions

Ambient Temperature Range : -15 °C to +90 °C (Standard)
 Cold endurance test : -40 °C (Abnormal Low temperature cables only)

Construction	Code Letter	Construction Details
Conductor		Plain or tinned annealed stranded circular copper, IEC 60228, class 2 or class 5
Insulation	B	Mica Glass Tape + Hard grade Ethylene Propylene Rubber (HEPR)
Twisting		Color coded cores twisted together to form a pair/triad
Individual Screen	(I)	Each pair/triple are screened by copper (or aluminium) backed polyester tape in contact with a stranded tinned copper drain wire and wrapped with polyester tape. Pairs/triples are identified by printed numbers on insulated conductors.
Collective Screen	(C)	Individually screened pairs/triples are laid-up and collectively screened by copper (or aluminium) backed polyester tape in contact with a stranded tinned copper drain wire.
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (Optional SHF MUD)
Color		Grey (if Intrinsically Safe: Blue)

Number of Cores Cross Section	Max.Conductor Resistance	Nominal Cable Weight	Nominal Cable Inner Diameter	Nominal Cable Diameter	Maximum Current Carrying Capacity
mm ²	(Ω /km)	(kg/km)	(mm)	(mm)	(A)
1 x 2 x 0,75	24,8	100	6,09	7,5	13
1 x 2 x 1,50	12,2	140	7,39	8,9	20
1 x 2 x 2,50	7,56	160	8,29	9,8	26
1 x 3 x 0,75	24,8	110	6,56	8,0	11
1 x 3 x 1,50	12,2	160	7,97	9,5	16
1 x 3 x 2,50	7,56	240	8,94	10,5	21
2 x 2 x 0,75	24,8	160	10,85	12,4	11
2 x 2 x 1,50	12,2	240	13,16	14,9	16
2 x 2 x 2,50	7,56	320	14,76	16,5	21
2 x 3 x 0,75	24,8	210	12,34	14,0	8
2 x 3 x 1,50	12,2	310	14,98	16,7	13
2 x 3 x 2,50	7,56	480	16,80	18,6	17
4 x 2 x 0,75	24,8	250	13,13	14,8	7
4 x 2 x 1,50	12,2	410	15,93	17,7	11
4 x 2 x 2,50	7,56	640	17,86	19,7	15
4 x 3 x 0,75	24,8	320	14,93	16,7	7
4 x 3 x 1,50	12,2	530	18,12	20,0	11
4 x 3 x 2,50	7,56	960	20,33	22,3	15
7 x 2 x 0,75	24,8	370	16,27	18,1	7
7 x 2 x 1,50	12,2	620	19,74	21,7	11
7 x 2 x 2,50	7,56	1120	22,14	24,2	15
7 x 3 x 0,75	24,8	560	18,50	20,4	7
7 x 3 x 1,50	12,2	930	22,46	24,5	11
7 x 3 x 2,50	7,56	1680	25,20	27,4	15
8 x 2 x 0,75	24,8	500	20,61	22,6	7
8 x 2 x 1,50	12,2	770	25,01	27,2	11
8 x 2 x 2,50	7,56	1280	28,05	30,3	15
8 x 3 x 0,75	24,8	620	23,44	25,5	7
8 x 3 x 1,50	12,2	1020	28,45	30,8	11
8 x 3 x 2,50	7,56	1920	31,93	34,4	15
9 x 2 x 0,75	24,8	480	20,61	22,6	7
9 x 2 x 1,50	12,2	770	25,01	27,2	11
9 x 2 x 2,50	7,56	1440	28,05	30,3	15
9 x 3 x 0,75	24,8	720	23,44	25,5	6
9 x 3 x 1,50	12,2	1200	28,45	30,8	10
9 x 3 x 2,50	7,56	2160	31,93	34,4	13
10 x 2 x 0,75	24,8	540	20,61	22,6	7
10 x 2 x 1,50	12,2	850	25,01	27,2	11
10 x 2 x 2,50	7,56	1600	28,05	30,3	15
10 x 3 x 0,75	24,8	800	23,44	25,5	6
10 x 3 x 1,50	12,2	1380	28,45	30,8	10
10 x 3 x 2,50	7,56	2400	31,93	34,4	13
12 x 2 x 0,75	24,8	710	22,56	24,6	7
12 x 2 x 1,50	12,2	1050	27,38	29,6	11
12 x 3 x 0,75	24,8	910	25,66	27,9	6
12 x 3 x 1,50	12,2	1420	31,15	33,6	10
14 x 2 x 0,75	24,8	750	23,92	26,0	6
14 x 2 x 1,50	12,2	1180	29,02	31,3	10
14 x 3 x 0,75	24,8	1390	27,20	29,5	5
14 x 3 x 1,50	12,2	2210	33,02	35,5	8
16 x 2 x 0,75	24,8	910	25,55	27,7	6
16 x 2 x 1,50	12,2	1410	30,99	33,4	10
16 x 3 x 0,75	24,8	1200	29,05	31,4	5
16 x 3 x 1,50	12,2	1890	35,27	37,8	8
19 x 2 x 0,75	24,8	1020	27,12	29,4	6
19 x 2 x 1,50	12,2	1620	32,90	35,4	10
19 x 3 x 0,75	24,8	1520	30,84	33,2	5
19 x 3 x 1,50	12,2	2430	37,44	40,1	8
24 x 2 x 0,75	24,8	1320	30,91	33,3	5
24 x 2 x 1,50	12,2	2130	37,51	40,2	8
24 x 3 x 0,75	24,8	1760	35,16	37,7	5
24 x 3 x 1,50	12,2	2840	42,68	45,6	8