



- Design and Construction IEC 60092-353
- Operating Temperature 90° C
- Nominal Voltage U₀/U..... 0.6/1 kV
- Flame Retardancy IEC 60332-1 IEC 60332-3-22
- Flame Resistance IEC 60331-31
- Corrosivity..... IEC 60754-1 IEC 60754-2
- Smoke Density IEC 61034-2
- MUD Resistance NEK 606

On request:
Cold Bend and impact (-40° C) CSA C22.2 No 38-95

CONSTRUCTION DATA

- 1** CONDUCTOR Tinned stranded compacted copper IEC 60228 class 2
- 2** INSULATION..... Mica tape + Halogen free EPR compound
SEPARATOR (if necessary) Halogen free tape
- 3** BEDDING Halogen free compound
- 4** ARMOUR..... Tinned copper wire braid according to IEC 60092-352
- 5** OUTER SHEATH..... SHF2 MUD thermoset dual compound Halogen free & MUD resistant

SHEATH COLOR.....Black

SHEATH MARKING

BFOU P5/P12 0.6/1 kV n x s / braid
NEK 606 IEC 60331-31 QA ref Metric marking

NOMINAL DIMENSIONAL & ELECTRICAL DATA

0.6/1 kV

Construction (mm ²)	EUT-01B	Insulation Thickness (mm)	Under Armour Diameter (mm)	Outer Sheath Thickness (mm)	Overall Diameter (approx) (mm)	Weight (approx) (kg/km)	Bending Radius (mm)	Conductor Resistance at 20°C (Ω/km)	Current Rating at 45°C (A)	Short Circuit Rating (kA)
1x16	01C016-Z	1.0	10.0	1.2	13.5	365	60	1.160	104	2.33
1x25	01C025-Z	1.2	11.6	1.5	16.5	545	70	0.735	139	3.65
1x35	01C035-Z	1.2	12.7	1.6	17.5	675	80	0.530	168	5.11
1x50	01C050-Z	1.4	14.1	1.6	19	860	85	0.391	208	7.30
1x70	01C070-Z	1.6	16.6	1.7	21.5	1130	95	0.270	261	10.20
1x95	01C095-Z	1.6	17.8	1.8	23	1400	105	0.195	319	13.90
1x120	01C120-Z	1.6	19.2	1.9	24.5	1960	110	0.154	371	17.50
1x150	01C150-Z	1.8	21.0	2.0	26.5	2050	120	0.126	423	21.90
1x185	01C185-Z	2.0	23.1	2.1	29	2460	130	0.100	480	27.00
1x240	01C240-Z	2.2	26.2	2.2	32.5	3115	145	0.076	568	35.00
1x300	01C300-Z	2.4	29.0	2.3	35.5	3960	160	0.061	649	43.80
2x1.5/4	02C1.5-Z	1.0	10.7	1.5	15	325	70	12.200	19	0.21
2x2.5/7	02C2.5-Z	1.0	11.5	1.5	16	400	75	7.560	27	0.35
2x4/7	02C004-Z	1.0	12.6	1.5	17	470	80	4.700	37	0.58
2x6/8	02C006-Z	1.0	13.7	1.6	18.5	560	85	3.110	47	0.87
2x10/10	02C010-Z	1.0	14.9	1.6	20	685	90	1.840	66	1.46
2x16/16	02C016-Z	1.0	17.5	1.8	23	960	105	1.160	89	2.33
3x1.5/5	03C1.5-Z	1.0	11.4	1.5	16	400	70	12.200	16	0.21
3x2.5/7	03C2.5-Z	1.0	12.2	1.5	17	450	75	7.560	23	0.36
3x4/7	03C004-Z	1.0	13.4	1.5	18	535	80	4.700	31	0.58
3x6/8	03C006-Z	1.0	14.6	1.6	19.5	645	90	3.110	39	0.87
3x10/10	03C010-Z	1.0	15.9	1.6	21	810	95	1.840	54	1.46
3x16/16	03C016-Z	1.0	18.7	1.8	24.5	1155	110	1.160	73	2.33
3x25/16	03C025-Z	1.2	22.4	1.8	28	1600	125	0.735	97	3.65
3x35/16	03C035-Z	1.2	24.7	2.0	30.5	2025	140	0.530	118	5.11
3x50/25	03C050-Z	1.4	28.0	2.2	34.5	2675	155	0.391	146	7.30
3x70/35	03C070-Z	1.6	33.4	2.4	40.5	3705	180	0.270	183	10.20
3x95/50	03C095-Z	1.6	35.8	2.6	44	4760	200	0.195	223	13.90
3x120/60	03C120-Z	1.6	39.4	2.8	48	5735	215	0.154	259	17.50
3x150/75	03C150-Z	1.8	48.4	2.8	57	7700	255	0.126	296	21.90
3x185/95	03C185-Z	2.0	53.5	3.0	62	9480	280	0.100	337	27.00
3x240/120	03C240-Z	2.2	55.0	3.2	67.5	11,750	305	0.076	398	33.80

NOMINAL DIMENSIONAL & ELECTRICAL DATA

0.6/1 KV

Construction (mm ²)	EUT-01B	Insulation Thickness (mm)	Under Armour Diameter (mm)	Outer Sheath Thickness (mm)	Overall Diameter (approx) (mm)	Weight (approx) (kg/km)	Bending Radius (mm)	Conductor Resistance at 20°C (Ω/km)	Current Rating at 45°C (A)	Short Circuit Rating (kA)
4x1.5/6	04C1.5-2	1.0	12.4	1.5	17	450	75	12.200	16	0.21
4x2.5/7	04C2.5-2	1.0	13.4	1.5	18	525	80	7.560	23	0.36
4x4/8	04C004-2	1.0	14.7	1.5	19.5	625	90	4.700	31	0.58
4x6/8	04C006-2	1.0	16.1	1.6	21	765	95	3.110	39	0.87
4x10/10	04C010-2	1.0	17.5	1.6	22.5	970	100	1.840	54	1.46
4x16/16	04C016-2	1.0	20.6	1.8	26	1395	115	1.160	73	2.33
4x25/16	04C025-2	1.2	24.6	1.8	30	1950	135	0.735	97	3.65
4x35/16	04C035-2	1.2	27.3	2.0	33.5	2485	150	0.530	118	5.11
4x50/25	04C050-2	1.4	30.9	2.2	39	3480	175	0.391	146	7.30
4x70/35	04C070-2	1.6	36.9	2.6	44	4585	200	0.270	183	10.20
4x95/50	04C095-2	1.6	39.6	2.6	47.5	5800	215	0.195	223	13.90
4x120/60	04C120-2	1.6	43.6	2.8	52	7145	235	0.154	259	17.50

7x1.5/8	07C1.5-Z	1.0	14.9	1.5	19.5	600	90	12.200	12	0.21
12x1.5/10	12C1.5-Z	1.0	20.0	1.7	25	935	110	12.200	10	0.21
19x1.5/10	19C1.5-Z	1.0	23.4	1.8	28.5	1240	130	12.200	9	0.21
27x1.5/11	27C1.5-Z	1.0	28.5	2.0	36	1895	160	12.200	8	0.21
37x1.5/13	37C1.5-Z	1.0	32.2	2.2	39	2395	175	12.200	8	0.21

7x2.5/8	07C2.5-Z	1.0	16.3	1.5	21	725	95	7.560	17	0.36
12x2.5/11	12C2.5-Z	1.0	21.6	1.7	26.5	1175	120	7.560	13	0.36
19x2.5/11	19C2.5-Z	1.0	25.7	1.8	31	1615	140	7.560	12	0.36
27x2.5/16	27C2.5-Z	1.0	31.2	2.0	39	2495	175	7.560	10	0.36
37x2.5/16	37C2.5-Z	1.0	35.3	2.2	43	3150	195	7.560	10	0.36