



MILBRIDGE HOLDING SA



MILBRIDGE HOLDING SA



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BARE COPPER



DESCRIPTION

- Solid annealed Copper conductor.

FLEXIBILITY

- Class 2

SIZES

- 10sqmm – 95sqmm

STANDARDS

- IEC 60228

SHAPE

- Round

USAGE

- For Earthing

CHARACTERISTICS

Cross Section Area (mm ²)	Composition	Approximate Weight (Kg/km)	Maximum Resistance Of Conductor At 20° (Ohm/km)
10	7 X 1.39	86	1.83
16	7 X 1.80	137	1.15
25	7 X 2.21	217	0.727
35	7 X 2.71	302	0.524
50	10 X 2.71	412	0.387
70	14 X 2.71	593	0.268
95	19 X 2.71	814	0.193

BUILDING WIRE HO5V - U



DESCRIPTION

- Solid annealed copper conductor
- PVC insulation

RATED VOLTAGE

- 300-500v

STANDARD LENGTHS

- 100m coils

SIZES

- 10sqmm – 95sqmm

STANDARDS

- NP - 2356/3
- CENELEC HD – 21.3 S2
- IEC 60227

USAGE

- Houses, offices, cooking appliances, vacuum cleaners etc

STANDARD MANUFACTURING COLOURS

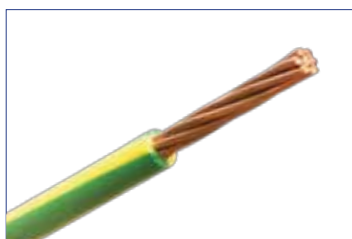
- Brown, Blue, Yellow, Green and black

HO5V - U

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance Of Conductor At 20° (Ohm/km)	Normal Thickness Of Insulation (Mm)	Approximate overall diameter (Mm)	APPROXIMATE WEIGHT (kg/km)
0.5	36.0	0.6	2.0	8
0.75	24.5	0.6	2.2	11
1	16.1	0.6	2.3	13

POWER CABLES WITH PVC INSULATION HO7-R



DESCRIPTION

- Solid annealed copper conductor
- PVC insulation
- Stranded annealed copper conductor
- PVC insulation

RATED VOLTAGE

- 450/750v

STANDARD LENGTHS

- 100m coils or on Drums

STANDARD MANUFACTURING COLOURS

- Blue, Brown, Black and grey

STANDARDS

- NP – 2356/3
- CENELEC HD – 21.3 S2

USES AND FEATURES

- Equipment circuits

SIZES

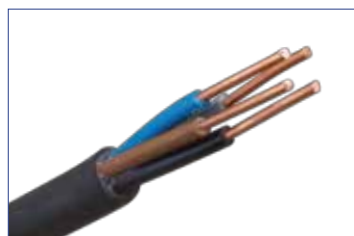
- 1.5sqmm – 6sqmm
- 1.5sqmm – 400sqmm

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance Of Conductor At 20° (Ohm/km)	Norminal Thickness Of Insulation (Mm)	Approximate overal diameter (Mm)	APPROXIMATE WEIGHT (kg/km)
1.5	12.1	0.7	2.8	20
2.5	7.41	0.8	3.4	31
4	4.61	0.8	3.8	46
6	3.08	0.8	4.4	65

1.5	12.1	0.7	2.8	20
2.5	7.41	0.8	3.4	31
4	4.61	0.8	3.8	46
6	3.08	0.8	4.4	65
10	1.83	1.0	5.8	110
16	1.15	1.0	6.7	165
25	0.727	1.2	8.3	260
35	0.524	1.2	9.4	350
50	0.387	1.4	11.0	470
70	0.268	1.4	12.5	670
95	0.193	1.6	14.6	930
120	0.153	1.6	16.2	1150
150	0.124	1.8	18.0	1400
185	0.0991	2.0	20.0	1900
240	0.0754	2.2	23.0	2350
300	0.0601	2.4	25.5	2900

MULTICORE BUILDING WIRE (N05VV – U)



DESCRIPTION

- Solid annealed copper conductor
- PVC Insulation
- PVC Sheath

RATED VOLTAGE

- 300/500v

SIZES

- 1.5sqmm – 6sqmm

STANDARDS

- NP – 2356/4
- CENELEC HD – 21.4 S2
- IEC 60227

USES AND FEATURES

- Equipment circuits

STANDARD LENGTHS

- 100m coils or on Drums

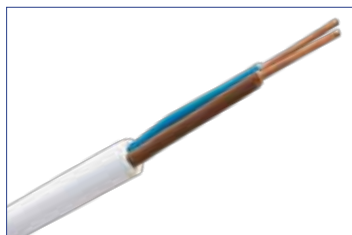
STANDARD MANUFACTURING COLOURS

- Outer sheath – Cream
- Insulated Cores - Brown, Blue Black and Yellow/Green

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance Of Conductor At 20° (Ohm/km)	Norminal Thickness Of Insulation (Mm)	Approximate overal diameter (Mm)	PT – N05VV – U		
				Approximate Weight (Kg/km)	Approximate Weight (Kg/km)	
			2 CORES		3 CORES	
1.5	12.1	0.7	9.0	110	9.5	125
2.5	7.41	0.8	10.0	145	10.5	175
4	4.61	0.8	11.0	190	11.5	235
			4 CORES		5 CORES	
1.5	12.1	0.7	10.0	155	11.0	185
2.5	7.41	0.8	11.5	215	12.5	260
4	4.61	0.8	13.0	300	14.5	380
6	3.08	0.8	14.5	410	16.0	490

FLAT TWIN NO5VVH2 - U



DESCRIPTION

- Solid annealed copper conductors
- PVC insulation
- PVC sheath

RATED VOLTAGE

- 300/500 v

SIZES

- 1.5sqmm – 4sqmm

STANDARDS

- NP – 3324
- IEC 60227

USES AND FEATURES

- Indoor Electrical Installations.

STANDARD LENGTHS

- 50m

STANDARD MANUFACTURING COLOURS

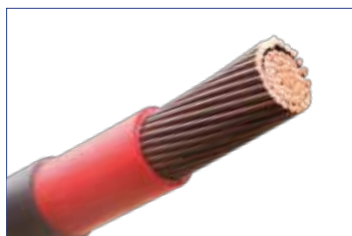
- Outer sheath – Cream
- Insulated cores – Blue and Brown

CHARACTERISTICS

PT – N05VV – U

Cross Section Area (mm ²)	Maximum Resistance Of Conductor At 20° (Ohm/km)	Nominal Thickness Of Insulation (Mm)	Approximate overall diameter (Mm)		Approximate Overall Diameter (Mm)	
			2 CORES	3 CORES	2 CORES	3 CORES
1.5	12.1	0.7	4.2 x 7.0	68	4.2 x 9.8	85
2.5	7.41	0.8	4.8 x 8.2	85	5.0 x 11.8	130
4	4.61	0.8	5.4 x 9.2	120	5.6 x 13.2	185

SINGLE CORE CABLES



DESCRIPTION

- Stranded copper conductors
- XLPE insulation
- PVC sheathed

SIZES

- 25sqmm – 400sqmm

RATED VOLTAGE

- 600/1000V

USAGE

- Power and lighting networks.
- Switch and Control gear
- Internal wiring

CHARACTERISTICS

Number Of Cores	Nominal Diameters (Mm)			Mass (Kg/km)	Impedance (Ohm/km)
	Diameter Over Bedding	Diameter of GSW	Diameter Over Sheathing		
25	8.35	1.25	15.45	563	0.879
35	9.40	1.25	16.50	700	0.639
50	10.95	1.25	18.05	846	0.479
70	12.59	1.25	19.89	1128	0.339
95	14.74	1.25	22.04	1504	0.257
120	16.16	1.60	25.16	1784	0.213
150	17.99	1.60	26.99	2102	0.182
185	20.10	1.60	29.30	2547	0.157
240	23.11	1.60	32.31	3114	0.134
300	26.25	2.00	37.05	4124	0.123
400	29.50	2.00	41.50	5133	0.113
500	32.51	2.00	44.51	6203	0.106
630	38.75	2.50	51.75	8218	0.099

NON ARMoured POWER CABLES (XV)



DESCRIPTION

- Annealed rigid copper conductors
- XLPE insulation
- Inner sheath or binder tape
- PVC over sheath

RATED VOLTAGE

- 0.6/1kv

SIZES

- 10sqmm – 300sqmm

STANDARDS

- NP - 2365
- CEI – 502
- IEC 60502

USES AND FEATURES

- Power Distribution Industrial
- Signaling and control Installations.

STANDARD MANUFACTURING COLOURS

- Outer sheath - Black.
- Insulated cores, Brown, Blue, Black and Grey

CHARACTERISTICS

XLPE INSULATED

ENERGY XV

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	ENERGY XV	
					Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
			1 CORES		2 CORES	
1.5	12.1	0.7	-	-	10.5	135
2.5	7.41	0.7	-	-	11.0	170
4	4.61	0.7	-	-	13.0	240
6	3.06	0.7	8.0	110	14.0	290
10	1.83	0.7	8.5	150	16.5	420
16	1.15	0.7	9.5	210	19.0	580
25	0.727	0.9	11.0	320	22.0	850
35	0.524	0.9	12.5	420	23.0	860
50	0.387	1.0	14.0	550	24.0	1150
70	0.268	1.1	15.5	750	27.5	1550
95	0.193	1.1	18.0	1050	32.0	2100
120	0.153	1.2	19.5	1250	35.0	2600
150	0.124	1.4	21.0	1550	38.5	3200
185	0.0991	1.6	23.5	1950	43.0	4000
240	0.0754	1.7	26.5	2500	48.5	5200
300	0.0601	1.8	29.5	3100	53.0	6400
400	0.0470	2.0	33.0	4000	-	-

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	3 CORES		4 CORES	
			Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
1.5	12.1	0.7	11.0	160	11.5	190
2.5	7.41	0.7	11.5	200	12.5	240
4	4.61	0.7	13.5	290	14.5	350
6	3.06	0.7	14.5	360	16.0	450
10	1.83	0.7	16.5	520	18.0	650
16	1.15	0.7	19.0	740	20.5	760
25	0.727	0.9	22.0	1100	24.0	1150
35	0.524	0.9	23.0	1250	24.5	1450
50	0.387	1.0	24.0	1650	28.0	1950
70	0.268	1.1	27.5	2300	31.0	2650
95	0.193	1.1	32.0	3100	35.5	3700
120	0.153	1.2	35.0	3900	39.0	4600
150	0.124	1.4	38.5	4700	44.5	5500
185	0.0991	1.6	43.0	5900	49.5	6900
240	0.0754	1.7	48.5	7700	56.0	9000
300	0.0601	1.8	-	-	-	-
400	0.0470	2.0	-	-	-	-

STEEL TAPE OR GALVANISED STEEL WIRE ARMOURED POWER COPPER CABLES (XAV-VAV)



DESCRIPTION

- Annealed rigid copper conductors
- PVC or XLPE insulated
- Binder tape
- PVC bedding
- Tape or galvanised steel wire armour
- PVC over sheath

SIZES

- 10sqmm – 300sqmm

STANDARDS

- NP - 2365
- CEI – 502
- IEC 60502

USES AND FEATURES

- Power distribution

RATED VOLTAGE

- 0.6/1kv

STANDARD MANUFACTURING COLOURS

- Outer sheath - Black.
- Insulated cores-Brown, Blue, Black and Grey

CHARACTERISTICS

XAV

XLPE INSULATED

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Normal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
			1 CORES		2 CORES	
1.5	12.1	0.7			13.0	245
2.5	7.41	0.7			14.0	280
4	4.61	0.7	-	-	15.5	370
6	3.06	0.7	-	-	16.5	390
10	1.83	0.7	13.5	270	17.5	520
16	1.15	0.7	14.5	350	19.5	690
25	0.727	0.9	16.0	460	21.0	1050
35	0.524	0.9	17.5	580	23.0	1000
50	0.387	1.0	19.0	760	24.5	1300
70	0.268	1.1	20.5	950	26.0	1750
95	0.193	1.1	22.0	1200	29.0	2300
120	0.153	1.2	24.0	1500	31.5	2800
150	0.124	1.4	26.0	1750	35.0	3400
185	0.0991	1.6	28.0	2200	40.5	4600
240	0.0754	1.7	30.5	2750	45.0	5800
300	0.0601	1.8	33.5	3400	50.0	7200
400	0.0470	2.0	37.0	4200	-	-

			3 CORES		4 CORES	
1.5	12.1	0.7	13.5	270	14.5	310
2.5	7.41	0.7	14.5	320	15.5	370
4	4.61	0.7	16.0	430	17.5	500
6	3.06	0.7	17.0	450	18.5	540
10	1.83	0.7	18.0	630	19.5	760
16	1.15	0.7	20.5	850	21.5	910
25	0.727	0.9	24.0	1250	25.0	1300
35	0.524	0.9	23.5	1400	26.5	1600
50	0.387	1.0	26.0	1800	29.5	2150
70	0.268	1.1	30.0	2500	34.0	2900
95	0.193	1.1	35.5	3600	40.0	4200
120	0.153	1.2	38.0	4400	43.5	5300
150	0.124	1.4	42.5	5400	48.0	6200
185	0.0991	1.6	47.0	6600	53.0	7700
240	0.0754	1.7	52.0	8400	59.5	9900

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20 ^o (Ohm/km)	Nominal Thickness of Insulation (mm)	VAV		PVC INSULATED	
			Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
			1 CORES		2 CORES	
1.5	12.1	0.8	-	-	13.0	245
2.5	7.41	0.8	-	-	14.0	280
4	4.61	1.0	-	-	15.5	370
6	3.06	1.0	-	-	16.5	440
10	1.83	1.0	13.0	290	18.5	580
16	1.15	1.0	15.5	370	20.5	760
25	0.727	1.2	17.0	500	23.5	1050
35	0.524	1.2	18.0	610	24.0	1100
50	0.387	1.4	19.0	760	25.0	1450
70	0.268	1.4	21.0	1000	27.5	1850
95	0.193	1.6	23.5	1300	33.0	2800
120	0.153	1.6	25.0	1550	35.0	3300
150	0.124	1.8	26.5	1850	38.0	4000
185	0.0991	2.0	28.5	2250	42.5	4900
240	0.0754	2.2	32.0	2850	47.5	6200
300	0.0601	2.4	34.5	3500	-	-
400	0.0470	2.6	38.0	4400	-	-

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20 ^o (Ohm/km)	Nominal Thickness of Insulation (mm)	3 CORES		4 CORES	
			Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
1.5	12.1	0.8	13.5	270	14.5	310
2.5	7.41	0.8	14.5	320	15.5	370
4	4.61	1.0	16.0	430	17.5	500
6	3.06	1.0	17.0	510	18.5	610
10	1.83	1.0	19.5	700	21.0	840
16	1.15	1.0	21.5	930	24.0	1000
25	0.727	1.2	25.0	1350	27.5	1400
35	0.524	1.2	26.0	1500	28.0	1700
50	0.387	1.4	28.0	1950	31.5	2300
70	0.268	1.4	31.0	2600	34.5	3100
95	0.193	1.6	37.0	3800	41.0	4500
120	0.153	1.6	40.0	4600	44.0	5500
150	0.124	1.8	44.0	5600	50.5	6600
185	0.0991	2.0	48.5	6900	54.0	8000
240	0.0754	2.2	54.5	8800	64.0	10300

CHARACTERISTICS

Fictitious diameter of bedding		Nominal diameter of armour wire (mm)
Above (mm)	Up to and including (mm)	
-	10	0.8
10	15	1.25
15	25	1.6
25	35	2.0
35	60	2.5
60	-	3.15

CHARACTERISTICS

Fictitious diameter of bedding		Nominal thickness of tape	
Above (mm)	Up to and including (mm)	Steel or galvanised steel (mm)	Aluminium or aluminium alloy (mm)
-	30	0.2	0.5
30	70	0.5	0.5
70	-	0.8	0.8

NOTE This table does not apply to cables having metallic tapes applied directly over the assembled cores

TAPE OR GALVANISED STEEL WIRE ARMoured ALUMINIUM POWER CABLES (ARMIGRON LXAV, LVAV)



DESCRIPTION

- Stranded aluminum conductors
- PVC or XLPE insulation
- Polyester or PPF tape
- PVC bedding
- Galvanized Steel tape armour
- PVC sheath

USES AND FEATURES

- Power distribution

STANDARD MANUFACTURING COLOURS

- Insulated Cores Brown, Blue
- Black and Grey.

RATED VOLTAGE

- 0.6/1kv

SIZES

- 10sqmm – 300sqmm

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	LXAV		XLPE INSULATED	
			Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
			1 CORES		2 CORES	
16	1.91	0.7	14.5	250	19.5	490
25	1.20	0.9	16.0	300	23.0	570
35	0.868	0.9	17.5	370	24.0	710
50	0.641	1.0	19.0	470	25.0	740
70	0.443	1.1	20.5	530	26.0	900
95	0.320	1.1	22.0	610	29.0	1150
120	0.253	1.2	24.0	760	31.5	1300
150	0.206	1.4	26.0	840	35.0	1600
185	0.164	1.6	28.0	1050	40.5	2300
240	0.125	1.7	30.5	1250	45.0	6200
300	0.100	1.8	33.5	1550	-	-
400	0.0778	2.0	37.0	1800	-	-

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	3 CORES		4 CORES	
			Approximate Overall Diameter (mm)	Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)
16	1.91	0.7	20.5	560	21.5	550
25	1.20	0.9	23.5	760	25.0	730
35	0.868	0.9	24.0	780	26.5	860
50	0.641	1.0	26.0	920	29.5	1100
70	0.443	1.1	30.0	1250	34.0	1400
95	0.320	1.1	35.5	1850	40.0	2150
120	0.253	1.2	38.0	2200	43.5	2650
150	0.206	1.4	42.5	2650	48.0	3100
185	0.164	1.6	47.0	3200	53.0	3700
240	0.125	1.7	52.0	3900	59.5	4700

CHARACTERISTICS

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	LXAV	PVC INSULATED		
				Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)	
				1 CORES		2 CORES	
16	1.91	1.0	15.5	270	20.5	560	
25	1.20	1.2	17.0	340	22.0	740	
35	0.868	1.2	18.0	400	23.5	670	
50	0.641	1.4	19.0	470	25.0	860	
70	0.443	1.4	21.0	580	27.5	1000	
95	0.320	1.6	23.5	710	33.0	1650	
120	0.253	1.6	25.0	810	35.0	1800	
150	0.206	1.8	26.5	940	38.0	2200	
185	0.164	2.0	28.5	1100	42.5	2600	
240	0.125	2.2	32.0	1350	47.5	3200	
300	0.100	2.4	34.5	1650	-	-	
400	0.0778	2.6	38.0	2000	-	-	

Cross Section Area (mm ²)	Maximum Resistance of Conductor at 20° (Ohm/km)	Nominal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	LXAV	PVC INSULATED		
				Approximate Weight (Kg/km)	Approximate Overall Diameter (Mm)	Approximate Weight (Kg / Km)	
				3 CORES		4 CORES	
16	1.91	1.0	21.5	640	24.0	640	
25	1.20	1.2	25.0	850	27.5	830	
35	0.868	1.2	26.0	880	28.0	1000	
50	0.641	1.4	28.0	1050	31.5	1200	
70	0.443	1.4	31.0	1300	34.5	1600	
95	0.320	1.6	37.0	2050	41.0	2450	
120	0.253	1.6	40.0	2400	44.0	2850	
150	0.206	1.8	44.0	2900	50.5	3500	
185	0.164	2.0	48.5	3500	54.0	4000	
240	0.125	2.2	54.5	4300	62.0	5100	

BARE ALUMINIUM CONDUCTORS (ACSR)



DESCRIPTION

- Galvanized solid steel wire
- Aluminum wires
- Galvanized stranded steel wires
- Aluminum wires

SIZES

- LA 54.6sqmm
- LA110sqmm
- LA 160 Partridge

STANDARDS

- UNE – 21018
- UNE – 3403 B

USES AND FEATURES

- Over head lines for Medium and high voltage capacities.

CONSTRUCTION

- Steel rope
- Aluminium wires

CHARACTERISTICS

Cross Section Area (mm ²)	Wire Diameters (mm)	Composition	Breaking Load (da n)	Weight (kg/km)	ACSR
					Maximum Resistance of Conductor At 20° (Ohm/km)
54.6	3.15 (Al) 3.15 (Steel)	6 x 3.15 (Al) + 1 x 3.15 (steel)	1640	189.1	0.6136
116.2	2.00 (Al) 7 x 2.00 (Steel)	30 x 2.00 (Al) + 7 x 2.00 (steel)	4310	433	0.3066

ARIEL BUNDLED CONDUCTORS (LXS)



DESCRIPTION

- Aluminum conductors
- XLPE Insulated

RATED VOLTAGE

- 0.6/1kv

SIZES

- 16sqmm – 95sqmm

STANDARDS

- NP – 3528
- DMA C33 – 209 (EDP)

USES AND FEATURES

- Overhead low voltage distribution networks.

STANDARD MANUFACTURING COLOURS

- Black

CHARACTERISTICS

						ACSR
Cross Section Area (mm ²)	Wire Diameters (mm)	Composition	Breaking Load (da n)	Weight (kg/km)	Maximum Resistance of Conductor At 20° (Ohm/km)	
54.6	3.15 (Al) 3.15 (Steel)	6 x 3.15 (Al) + 1 x 3.15 (steel)	1640	189.1	0.6136	
116.2	2.00 (Al) 7 x 2.00 (Steel)	30 x 2.00 (Al) + 7 x 2.00 (steel)	4310	433	0.3066	

CHARACTERISTICS

					LXS				
Cross Section Area (mm ²)	Maximum Tension (Dan/mm ²)	Temperature (°c)		SPAN (m)					
				4	8	12	16	20	
4 x 25 (Al) + 16 (Al)	6	-5	Sag (cm)	0.2	0.7	1.6	2.9	4.5	
		15		0.3	1.3	3.1	5.3	8.2	
		20		0.4	1.8	3.8	6.6	9.9	
		25		0.6	2.4	5.0	8.4	12.2	
		50		4.6	9.8	15.0	20.8	26.9	
		-5	Adjustment Required (daN)	525	525	526	526	527	
		15		273	276	280	285	291	
		20		211	216	222	231	240	
		25		150	158	170	182	195	
		50		21	40	57	73	89	
4 x 35 (Al) + 16 (Al)	4	-5	Sag (cm)	0.3	1.2	2.6	4.6	7.2	
		15		1.1	3.7	7.1	11.1	15.7	
		20		2.0	5.2	9.2	13.7	18.7	
		25		3.0	6.9	11.3	16.3	21.8	
		50		6.4	13.1	20.2	27.4	35.0	
		-5	Adjustment Required (dan)	461	462	463	465	468	
		15		122	147	171	194	214	
		20		68	103	131	157	179	
		25		45	78	107	132	154	
		50		21	41	60	78	96	
4 x 50 (Al) + 16 (Al)	3	-5	Sag (cm)	0.4	1.5	3.3	5.9	9.1	
		15		4.1	6.0	10.2	15.0	20.2	
		20		5.1	7.6	12.4	17.6	23.3	
		25		5.9	9.1	14.4	20.1	26.2	
		50		8.8	14.6	22.3	30.2	38.4	
		-5	Adjustment Required (dan)	463	466	470	476	482	
		15		70	116	154	187	216	
		20		50	91	127	159	188	
		25		41	77	110	139	167	
		50		24	48	71	92	114	

4 x 70 (Al) + 16 (Al)	2	-5	Sag (cm)	0.6	2.5	5.4	9.2	13.9
		15		3.9	8.6	13.8	19.6	26.1
		20		4.7	9.9	15.7	21.9	28.8
		25		5.3	11.1	17.4	24.1	31.4
		50		7.9	16.0	24.5	33.3	42.4
		-5	Adjustment Required (dan)	378	392	409	426	442
		15		62	115	160	200	235
		20		52	99	141	179	213
		25		46	88	127	163	195
		50		31	61	90	118	145

CHARACTERISTICS

LXS

Cross Section Area (mm ²)	Normal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/km)
2 x 16	1.2	14.2	130
4 x 16	1.2	17.4	260
5 x 16	1.2	19.4	320
4 x 25	1.4	21.1	400
4 x 25 + 16	1.4/1.2	22.5	460
4 x 35	1.6	24.9	540
4 x 35 + 16	1.6/1.2	25.0	610

4 x 50	1.6	27.3	700
4 x 50 + 16	1.6/1.2	29.0	760
4 x 70	1.8	32.4	990
4 x 70 + 16	1.8/1.2	34.0	1050
4 x 25 + 2 x 16	1.4/1.2	24.6	530
4 x 35 + 2 x 16	1.6/1.2	27.8	670
4 x 50 + 2 x 16	1.6/1.2	30.2	830
4 x 70 + 2 x 16	1.8/1.2	37.0	1100
4 x 95	1.8	35.6	1280
4 x 95 + 16	1.8/1.2	37.8	1342
4 x 95 + 2 x 16	1.8/1.2	40.6	1405
3 x 25 + 54.6 + 16	1.4/1.6/1.2	30.0	580
3 x 35 + 54.6 + 16	1.6/1.6/1.2	33.5	690
3 x 50 + 54.6 + 16	1.6/1.6/1.2	35.5	810
3 x 70 + 54.6 + 16	1.8/1.6/1.2	39.5	1050

CHARACTERISTICS

LXS

Cross Section Area (mm ²)	Maximum Tension (Dan/mm ²)	Temperature (°C)		SPAN (m)							
				30	40	50	60	70	80	90	100
3 x 25 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	14	25	40	65	101	147	202	265
		15		19	33	51	82	122	171	227	291
		20		21	36	55	87	127	176	233	267
		25		23	39	58	91	133	182	239	303
		50		36	56	79	116	159	210	268	333
		-5	Adjustment Required (daN)	543	539	537	469	413	370	341	320
		15		400	407	416	373	341	319	304	293
		20		368	377	390	354	327	309	296	286
		25		336	350	365	335	314	299	288	280
		50		214	243	270	265	262	259	257	256
3 x 35 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	17	30	53	89	136	194	262	337
		15		22	39	67	107	157	216	283	357
		20		24	42	70	111	162	221	289	365
		25		26	45	74	116	167	226	294	370
		50		39	61	95	139	191	251	319	396
		-5	Adjustment Required (daN)	541	535	475	408	362	331	311	298
		15		404	412	376	339	315	298	287	279
		20		372	384	356	324	305	291	282	275
		25		343	360	337	312	295	284	276	271
		50		230	262	265	261	258	256	255	254
3 x 50 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	21	37	67	109	163	228	302	385
		15		27	47	81	126	182	247	321	404
		20		29	49	85	131	186	252	326	409
		25		31	52	89	135	191	256	331	414
		50		44	68	108	156	213	279	354	437
		-5	Adjustment Required (daN)	541	540	465	409	372	349	334	323
		15		413	426	383	354	334	322	314	308
		20		384	403	367	342	326	316	309	304
		25		358	380	351	331	319	311	305	306
		50		255	291	289	287	286	285	284	284
3 x 70 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	23	49	89	142	208	285	372	470
		15		32	60	103	158	224	301	389	487
		20		34	63	106	162	228	305	393	491
		25		36	66	110	166	232	310	397	495
		50		48	81	127	184	252	329	417	515
		-5	Adjustment Required (daN)	540	488	419	376	350	334	323	316
		15		420	398	361	338	324	316	310	305
		20		395	379	349	330	319	312	307	303
		25		370	362	337	322	314	308	303	300
		50		227	293	291	290	289	289	289	288

	11		Sag (cm)	0.4	1.7	3.9	6.9	10.8
				0.6	2.4	5.4	9.4	14.4
				0.7	2.7	5.9	10.2	15.6
				0.8	3.0	6.5	11.2	16.9
				1.7	6.0	11.5	18.0	25.4
			Adjustment Required (daN)	549	549	550	551	552
				390	393	399	406	413
				351	355	363	372	381
				311	318	328	339	351
				128	158	186	211	234

SINGLE CORE FLEXIBLE CABLES HO7 - K



DESCRIPTION

- Flexible copper conductor
- PVC Insulation

SIZES

- 0.5sqmm – 1sqmm
- 1.5sqmm – 300sqmm

STANDARDS

- HO7 – K

USAGE

- Indoor fixed Insulation

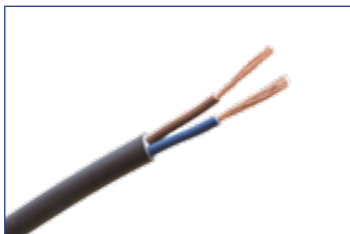
RATED VOLTAGE

- 450/750v

CHARACTERISTICS

					LXS
Cross Section Area (mm ²)	Maximum Resistance Of Conductor At 20 ^o (Ohm/km)	Number Of Wires	Normal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	Approximate Weight (Kg / Km)
16	1.91	7	1.2	7.1	65
25	1.20	7	1.4	8.7	100
35	0.868	7	1.6	10.2	135
50	0.641	7	1.6	11.3	175
70	0.443	19	1.8	13.4	250

MULTI CORE FLEXIBLE CABLES HO5VV-F



2 CORE

DESCRIPTION

- Flexible copper conductor
- PVC Insulation

SIZES

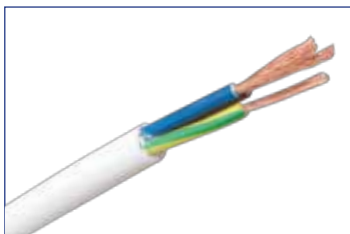
- 0.5sqmm – 1sqmm
- 1.5sqmm – 300sqmm

STANDARDS

- 2 core
- 3 core
- 4 core

USAGE

- Indoor fixed Insulation



3 CORE



4 CORE

CHARACTERISTICS

CHARACTERISTICS						LXS
Cross Section Area (mm ²)	Maximum Resistance of Conductor At 20° (Ohm/km)	Number of Wires	Norminal Thickness of Insulation (mm)	Approximate Overall Diameter (mm)	Approximate Weight (Kg / Km)	Tensile Strength (N)
54.6	0.63	7	1.6	13	250	16600

CHARACTERISTICS

CHARACTERISTICS					LXS				
Cross Section Area (mm ²)	Maximum Tension (Dan/mm ²)	Temperature (°C)		SPAN (m)					
				4	8	12	16	20	
3 x 25 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	0.2	1.0	2.2	4.0	6.2	
		15		0.3	1.4	3.1	5.5	8.5	
		20		0.4	1.5	3.5	6.1	9.4	
		25		0.4	1.7	3.9	6.8	10.4	
		50		1.2	2.0	8.2	13.1	18.7	
		-5	Adjustment Required (daN)	549	549	549	550	550	
		15		389	390	392	395	398	
		20		349	351	354	357	362	
		25		310	312	316	320	326	
		50		110	132	149	165	182	
3 x 35 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	0.3	1.2	2.6	4.7	7.3	
		15		0.4	1.0	3.7	6.5	10.0	
		20		0.5	1.8	4.1	7.1	11.0	
		25		0.5	2.0	4.5	7.9	12.1	
		50		1.3	4.6	9.3	14.5	20.5	
		-5	Adjustment Required (daN)	549	549	549	550	550	
		15		389	391	394	397	401	
		20		350	352	350	360	366	
		25		310	313	318	325	332	
		50		119	138	158	178	196	
3 x 50 (Al) + 54.6 (Almelec) + 16 (Al)	11	-5	Sag (cm)	0.4	1.4	3.2	5.6	9.0	
		15		0.5	2.0	4.5	7.9	12.2	
		20		0.6	2.2	5.0	8.7	13.3	
		25		0.6	2.5	5.5	9.0	14.6	
		50		1.6	5.4	10.3	16.3	23.1	
		-5	Adjustment Required (daN)	549	549	550	550	551	
		15		390	392	396	401	407	
		20		350	353	359	366	373	
		25		310	315	323	332	341	
		50		123	148	172	186	216	



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