

MEDIUM VOLTAGE CABLES

MEGHNA STAR CABLES is recognized as a world leader in the development and design of medium voltage industrial cables. With its extensive technical design of medium voltage industrial cables. With its extensive technical and engineering expertise and a state-of-the-art compound facility, MEGHNA STAR CABLES is committed to use materials with the best overall properties to create the most omprehensive line of industrial power cables to meet your design requirements – no matter what the challenge is.

As a result, MEGHNA STAR CABLES offers a wide range of medium voltage industrial cables from 3.6 kV to 36 kV that are ideally suited for performance-demanding applications and provide you with a proven record of reliable performance. This cable is designed to be used extensively in pulp and paper mills, sewage treatment facilities, water treatment plants, environmental protection systems, power generating stations and other industrial applications.

2xHSYRaY/A2xHSYRaY-LF FR

Single Core (Cu or Al/XLPE/CTS or CWS/PVC/AWA/PVC)

APPLICATION

The single core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 6/10 kV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 60502-2

BDS IEC 60502-2

VOLTAGE GRADE

U_0/U (Um) : 6/10 (12) kV

Permissible Service Voltage: 6.35/11 kV

COLOR

Insulated core : (Natural)

Sheath : (Red or Other Colors available on request)

CONSTRUCTION

Conductor: Stranded Circular Compacted, Plain annealed copper or Aluminium, Class-2 to IEC 60228

Conductor screen: Semi-conductive XLPE

Insulation: XLPE to IEC 60502-2

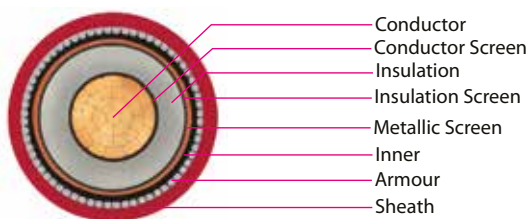
Insulation screen: Semi-conductive XLPE

Metallic screen: Copper Tape or Copper wire to IEC 60502-2

Inner covering: PVC, ST-2 to IEC 60502-2

Armour: Round Aluminium wire to IEC 60502-2

Sheath: PVC- LF FR, ST-2 to IEC 60502-1



PHYSICAL DATA											
Nominal cross sectional area of conductor	Shape of conductor	Conductor diameter		Nominal thickness of insulation	Nominal diameter of Al wire armour	Nominal thickness of sheath	Metallic screen		Approx. overall diameter of cable	Approx. weight of cable	
		Minimum	Maximum				thickness of copper tape	area of copper wire		Cu	Al
Core x mm ²	-	mm	mm	mm	mm	mm	mm	mm ²	mm	kg/km	kg/km
1 x 25	rmc	5.6	6.5	3.4	1.6	1.8	0.06	16	26.4	1000	840
1 x 35	rmc	6.6	7.5	3.4	1.6	1.8	0.06	16	27.5	1130	900
1 x 50	rmc	7.7	8.6	3.4	1.6	1.8	0.06	16	28.5	1305	980
1 x 70	rmc	9.3	10.2	3.4	1.6	1.9	0.06	16	30.3	1580	1120
1 x 95	rmc	11.0	12.0	3.4	1.6	1.9	0.06	16	32.1	1890	1280
1 x 120	rmc	12.3	13.5	3.4	1.6	2.0	0.06	16	33.8	2200	1440
1 x 150	rmc	13.7	15.0	3.4	2.0	2.0	0.06	25	35.2	2530	1600
1 x 185	rmc	15.3	16.8	3.4	2.0	2.0	0.06	25	38.2	3050	1900
1 x 240	rmc	17.6	19.2	3.4	2.0	2.1	0.06	25	40.8	3690	2180
1 x 300	rmc	19.7	21.6	3.4	2.0	2.2	0.06	25	43.3	4360	2490
1 x 400	rmc	22.3	24.6	3.4	2.0	2.3	0.06	35	46.5	5440	2940
1 x 500	rmc	25.3	27.6	3.4	2.5	2.5	0.06	35	50.6	6660	3560
1 x 630	rmc	28.7	32.5	3.4	2.5	2.6	0.06	35	55.2	8100	4220
1 x 800	rmc	32.6	36.7	3.4	2.5	2.7	0.06	50	59.0	10000	4950
1 x 1000	rmc	36.3	40.5	3.4	2.5	2.9	0.06	50	64.4	12300	5920

ELECTRICAL DATA																
Nominal cross sectional area	Maximum D.C resistance of conductor at 20 °C		Maximum A.C resistance of conductor at 90 °C		Short circuit rating of conductor in one second		Short circuit rating of metallic screen in one second		Approx. Capacitance of cable	Approx. Inductance of cable	Current rating in ground at 20 °C				Current rating in air at 30 °C	
											Laid direct in flat spaced		Laid in single duct flat touching		Laid direct in flat touching	
	Cu	Al	Cu	Al	Cu	Al	Cu tape	Cu wire			Cu	Al	Cu	Al	Cu	Al
mm²	Ω/km	Ω/km	Ω/km	Ω/km	kA	kA	kA	kA	μF/km	mH/km	Amp	Amp	Amp	Amp	Amp	Amp
25	0.727	1.20	0.927	1.53	3.6	2.4	0.39	2.40	0.208	0.501	144	112	133	103	167	130
35	0.524	0.868	0.668	1.11	5.0	3.3	0.39	2.40	0.229	0.478	172	134	159	123	203	157
50	0.387	0.641	0.494	0.822	7.2	4.7	0.39	2.40	0.252	0.446	203	157	188	146	243	189
70	0.268	0.443	0.342	0.568	10.0	6.6	0.39	2.40	0.288	0.422	246	192	229	178	303	236
95	0.193	0.320	0.247	0.411	13.6	8.9	0.39	2.40	0.323	0.400	293	229	274	213	369	287
120	0.153	0.253	0.196	0.325	17.2	11.3	0.39	2.40	0.353	0.384	332	260	311	242	426	332
150	0.124	0.206	0.159	0.265	21.5	14.1	0.39	3.75	0.380	0.378	366	288	347	271	481	376
185	0.0991	0.164	0.127	0.211	26.5	17.4	0.39	3.75	0.416	0.364	410	324	391	307	550	432
240	0.0754	0.125	0.098	0.162	34.3	22.6	0.62	3.75	0.460	0.350	470	373	453	356	647	511
300	0.0601	0.100	0.079	0.130	42.9	28.2	0.62	3.75	0.506	0.336	524	419	510	402	739	586
400	0.0470	0.0778	0.063	0.102	57.2	37.6	0.62	5.25	0.561	0.323	572	466	571	457	837	676
500	0.0366	0.0605	0.050	0.080	71.5	47.0	0.62	5.25	0.619	0.319	672	546	661	537	938	776
630	0.0283	0.0469	0.041	0.064	90.1	59.2	0.62	5.25	0.698	0.308	882	646	771	617	1048	886
800	0.0221	0.0367	0.039	0.051	115.0	75.2	0.62	7.50	0.780	0.299	1002	756	871	717	1148	986
1000	0.0176	0.0291	0.029	0.043	143.0	94.0	0.62	7.50	0.860	0.292	1112	856	971	807	1238	1086

Current ratings are valid for cables laid under defined conditions at page no. 171. For current ratings at deviated conditions, apply correction factor as given on page no.171-175.



2xSEYRGY/A2xSEYRGY-LF FR

Three Core (Cu or Al/XLPE/CTS or CWS/PVC/SWA/PVC)

APPLICATION

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 6/10 kV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 60502-2

BDS IEC 60502-2

VOLTAGE GRADE

U_0/U (U_m) : 6/10 (12) kV

Permissible Service Voltage: 6.35/11 kV

COLOR

Insulated core : Red, Yellow & Blue core marking tape

Sheath :  (Red or Other Colors available on request)

CONSTRUCTION

Conductor: Stranded Circular Compacted, Plain annealed copper or Aluminium, Class-2 to IEC 60228

Conductor screen: Semi-conductive XLPE

Insulation: XLPE to IEC 60502-2

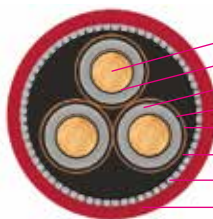
Insulation screen: Semi-conductive XLPE

Metallic screen: Copper Tape or Copper wire to IEC 60502-2

Inner covering: PVC, ST-2 to IEC 60502-2

Armour: Round Galvanized Steel wire to IEC 60502-2

Binder: Steel tape (Optional), **Sheath:** PVC- LF FR, ST-2 to IEC 60502-2



Conductor
Conductor Screen
Insulation
Insulation Screen
Metallic Screen
Inner
Armour
Sheath



PHYSICAL DATA

Nominal cross sectional area of conductor	Shape of conductor	Conductor diameter		Nominal thickness of insulation	Nominal diameter of steel wire armour	Nominal thickness of sheath	Metallic screen		Approx. overall diameter of cable	Approx. weight of cable	
		Minimum	Maximum				thickness of copper tape	area of copper wire		Cu	Al
Core x mm ²	-	mm	mm	mm	mm	mm	mm	mm ²	mm	kg/km	kg/km
3 x 25	rmc	5.6	6.5	3.4	2.0	2.3	0.06	16	46.3	4150	3660
3 x 35	rmc	6.6	7.5	3.4	2.5	2.4	0.06	16	48.5	5200	4520
3 x 50	rmc	7.7	8.6	3.4	2.5	2.5	0.06	16	52.5	5820	4950
3 x 70	rmc	9.3	10.2	3.4	2.5	2.5	0.06	16	56.5	6900	5620
3 x 95	rmc	11.0	12.0	3.4	2.5	2.8	0.06	16	61.0	8150	6350
3 x 120	rmc	12.3	13.5	3.4	2.5	2.9	0.06	16	64.3	9100	6860
3 x 150	rmc	13.7	15.0	3.4	2.5	3.0	0.06	25	68.0	10350	7540
3 x 185	rmc	15.3	16.8	3.4	2.5	3.1	0.06	25	72.1	11950	8450
3 x 240	rmc	17.6	19.2	3.4	3.15	3.3	0.06	25	78.0	15050	10470
3 x 300	rmc	19.7	21.6	3.4	3.15	3.5	0.06	25	86.0	17700	11900

ELECTRICAL DATA

Nominal cross sectional area	Maximum D.C resistance of conductor at 20 °C		Maximum A.C resistance of conductor at 90 °C		Short circuit rating of conductor in one second		Short circuit rating of metallic screen in one second		Approx. Capacitance of cable	Approx. Inductance of cable	Current rating in ground at 20 °C				Current rating in air at 30 °C	
	Cu	Al	Cu	Al	Cu	Al	Cu tape	Cu wire			In a buried direct		In a buried duct		In air	
mm ²	Ω/km	Ω/km	Ω/km	Ω/km	kA	kA	kA	kA	μF/km	mH/km	Amp	Amp	Amp	Amp	Amp	Amp
25	0.727	1.20	0.927	1.53	3.6	2.4	0.39	2.40	0.262	0.387	129	100	112	87	143	111
35	0.524	0.868	0.668	1.11	5.0	3.3	0.39	2.40	0.291	0.369	154	119	134	104	172	133
50	0.387	0.641	0.494	0.822	7.2	4.7	0.39	2.40	0.321	0.343	181	140	158	123	205	159
70	0.268	0.443	0.342	0.568	10.0	6.6	0.39	2.40	0.371	0.325	220	171	194	150	253	196
95	0.193	0.320	0.247	0.411	13.6	8.9	0.39	2.40	0.417	0.309	263	204	232	180	307	238
120	0.153	0.253	0.196	0.325	17.2	11.3	0.39	2.40	0.459	0.297	298	232	264	206	352	274
150	0.124	0.206	0.159	0.265	21.5	14.1	0.39	3.75	0.494	0.289	332	259	296	231	397	309
185	0.0991	0.164	0.127	0.211	26.5	17.4	0.39	3.75	0.543	0.28	374	293	335	262	453	354
240	0.0754	0.125	0.098	0.162	34.3	22.6	0.62	3.75	0.583	0.273	431	338	387	304	529	415
300	0.0601	0.100	0.079	0.130	42.9	28.2	0.62	3.75	0.602	0.267	482	380	435	343	599	472

Current ratings are valid for cables laid under defined conditions at page no. 171. For current ratings at deviated conditions, apply correction factor as given on page no.171-175.

Characteristics



Installation condition



2xSEYRGY/A2xSEYRGY-LF FR

Three Core (Cu or Al/XLPE/CTS or CWS/PVC/SWA/PVC)

APPLICATION

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 8.7/15 kV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 60502-2

BDS IEC 60502-2

VOLTAGE GRADE

U_0/U (Um) : 8.7/15 (17.5) kV

Permissible Service Voltage: 9.2/16.3 kV

COLOR

Insulated core : Red, Yellow & Blue core marking tape

Sheath :  (Red or Other Colors available on request)

CONSTRUCTION

Conductor: Stranded Circular Compacted, Plain annealed copper or Aluminium, Class-2 to IEC 60228

Conductor screen: Semi-conductive XLPE

Insulation: XLPE to IEC 60502-2

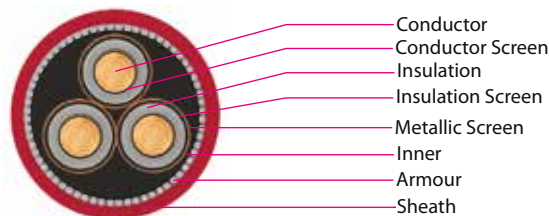
Insulation screen: Semi-conductive XLPE

Metallic screen: Copper Tape or Copper wire to IEC 60502-2

Inner covering: PVC, ST-2 to IEC 60502-2

Armour: Round Galvanized Steel wire to IEC 60502-2

Binder: Steel tape (Optional). **Sheath:** PVC- LF FR, ST-2 to IEC 60502-2



PHYSICAL DATA

Nominal cross sectional area of conductor	Shape of conductor	Conductor diameter		Nominal thickness of insulation	Nominal diameter of steel wire armour	Nominal thickness of sheath	Metallic screen		Approx. overall diameter of cable	Approx. weight of cable	
		Minimum	Maximum				thickness of copper tape	area of copper wire		Cu	Al
Core x mm ²	-	mm	mm	mm	mm	mm	mm	mm ²	mm	kg/km	kg/km
3 x 25	rmc	5.6	6.5	4.5	2.5	2.5	0.06	16	58.0	5300	4830
3 x 35	rmc	6.6	7.5	4.5	2.5	2.6	0.06	16	60.0	5880	5220
3 x 50	rmc	7.7	8.6	4.5	2.5	2.7	0.06	16	63.0	6590	5690
3 x 70	rmc	9.3	10.2	4.5	2.5	2.8	0.06	16	67.0	7720	6450
3 x 95	rmc	11.0	12.0	4.5	2.5	3.0	0.06	16	71.5	9020	7230
3 x 120	rmc	12.3	13.5	4.5	2.5	3.1	0.06	16	74.5	9990	7720
3 x 150	rmc	13.7	15.0	4.5	2.5	3.2	0.06	25	78.0	11220	8450
3 x 185	rmc	15.3	16.8	4.5	3.15	3.3	0.06	25	83.4	13740	10240
3 x 240	rmc	17.6	19.2	4.5	3.15	3.5	0.06	25	89.2	16180	11600
3 x 300	rmc	19.7	21.6	4.5	3.15	3.6	0.06	25	94.3	18700	12950

ELECTRICAL DATA

Nominal cross sectional area	Maximum D.C resistance of conductor at 20 °C		Maximum A.C resistance of conductor at 90 °C		Short circuit rating of conductor in one second		Short circuit rating of metallic screen in one second		Approx. Capacitance of cable	Approx. Inductance of cable	Current rating in ground at 20 °C				Current rating in air at 30 °C	
											In a buried direct		In a buried duct		In air	
	Cu	Al	Cu	Al	Cu	Al	Cu tape	Cu wire			Cu	Al	Cu	Al	Cu	Al
mm²	Ω/km	Ω/km	Ω/km	Ω/km	kA	kA	kA	kA	μF/km	mH/km	Amp	Amp	Amp	Amp	Amp	Amp
25	0.727	1.20	0.927	1.53	3.6	2.4	0.39	2.40	0.171	0.436	129	100	112	87	143	111
35	0.524	0.868	0.668	1.11	5.0	3.3	0.39	2.40	0.187	0.415	154	119	134	104	172	133
50	0.387	0.641	0.494	0.822	7.2	4.7	0.39	2.40	0.204	0.386		140	158	123	205	159
70	0.268	0.443	0.342	0.568	10.0	6.6	0.39	2.40	0.232	0.365	220	171	194	150	253	196
95	0.193	0.320	0.247	0.411	13.6	8.9	0.39	2.40	0.258	0.346	263	204	232	180	307	238
120	0.153	0.253	0.196	0.325	17.2	11.3	0.39	2.40	0.281	0.332	298	232	264	206	352	274
150	0.124	0.206	0.159	0.265	21.5	14.1	0.39	3.75	0.301	0.322	332	259	296	231	397	309
185	0.0991	0.164	0.127	0.211	26.5	17.4	0.39	3.75	0.329	0.311	374	293	335	262	453	354
240	0.0754	0.125	0.098	0.162	34.3	22.6	0.62	3.75	0.363	0.299	431	338	387	304	529	415
300	0.0601	0.100	0.079	0.130	42.9	28.2	0.62	3.75	0.398	0.289	482	380	435	343	599	472

Current ratings are valid for cables laid under defined conditions at page no. 171. For current ratings at deviated conditions, apply correction factor as given on page no.171-175.

Characteristics



Installation condition



2xSEYFGY/A2xSEYFGY-LF FR

Three Core (Cu or Al/XLPE/CTS or CWS/PVC/FSA/PVC)

APPLICATION

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 6/10 kV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 60502-2

BDS IEC 60502-2

VOLTAGE GRADE

U_0/U (U_m) : 6/10 (12) kV

Permissible Service Voltage: 6.35/11 kV

COLOR

Insulated core : Red, Yellow & Blue core marking tape

Sheath : (Red or Other Colors available on request)

CONSTRUCTION

Conductor: Stranded Circular Compacted, Plain annealed copper or Aluminium, Class-2 to IEC 60228

Conductor screen: Semi-conductive XLPE

Insulation: XLPE to IEC 60502-2

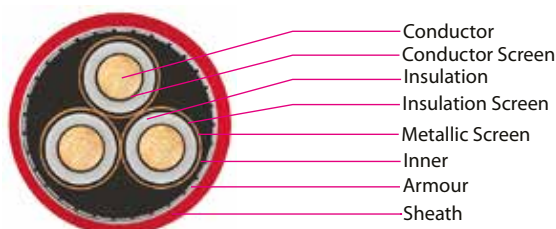
Insulation screen: Semi-conductive XLPE

Metallic screen: Copper Tape or Copper wire to IEC 60502-2

Inner covering: PVC, ST-2 to IEC 60502-2

Armour: Flat Galvanized Steel wire to IEC 60502-2

Binder: Steel tape (Optional). **Sheath:** PVC- LF FR, ST-2 to IEC 60502-2



MEDIUM VOLTAGE

PHYSICAL DATA

Nominal cross sectional area of conductor Core x mm ²	Shape of conductor	Conductor diameter		Nominal thickness of insulation mm	Nominal thickness of flat steel armour mm	Nominal thickness of sheath mm	Metallic screen		Approx. overall diameter of cable mm	Approx. weight of cable	
		Minimum mm	Maximum mm				thickness of copper tape mm	area of copper wire mm ²		Cu kg/km	Al kg/km
3 x 25	rmc	5.6	6.5	3.4	0.8	2.2	0.06	16	47.5	3460	2940
3 x 35	rmc	6.6	7.5	3.4	0.8	2.3	0.06	16	50.5	4020	3350
3 x 50	rmc	7.7	8.6	3.4	0.8	2.4	0.06	16	53.5	4630	3870
3 x 70	rmc	9.3	10.2	3.4	0.8	2.6	0.06	16	57.0	5570	4430
3 x 95	rmc	11.0	12.0	3.4	0.8	2.7	0.06	16	61.5	6600	5180
3 x 120	rmc	12.3	13.5	3.4	0.8	2.8	0.06	16	65.0	7750	5700
3 x 150	rmc	13.7	15.0	3.4	0.8	2.9	0.06	25	68.0	8830	6360
3 x 185	rmc	15.3	16.8	3.4	0.8	3.0	0.06	25	72.5	10320	7200
3 x 240	rmc	17.6	19.2	3.4	0.8	3.2	0.06	25	77.5	12470	8250
3 x 300	rmc	19.7	21.6	3.4	0.8	3.3	0.06	25	83.0	14900	9500

ELECTRICAL DATA

Nominal cross sectional area	Maximum D.C resistance of conductor at 20 °C		Maximum A.C resistance of conductor at 90 °C		Short circuit rating of conductor in one second		Short circuit rating of metallic screen in one second		Approx. Capacitance of cable	Approx. Inductance of cable	Current rating in ground at 20 °C				Current rating in air at 30 °C	
											In a buried direct		In a buried duct		In air	
	Cu	Al	Cu	Al	Cu	Al	Cu tape	Cu wire			Cu	Al	Cu	Al	Cu	Al
mm²	Ω/km	Ω/km	Ω/km	Ω/km	kA	kA	kA	kA	µF/km	mH/km	Amp	Amp	Amp	Amp	Amp	Amp
25	0.727	1.20	0.927	1.53	3.6	2.4	0.39	2.40	0.262	0.410	129	100	112	87	143	111
35	0.524	0.868	0.668	1.11	5.0	3.3	0.39	2.40	0.291	0.391	154	119	134	104	172	133
50	0.387	0.641	0.494	0.822	7.2	4.7	0.39	2.40	0.321	0.363	181	140	158	123	205	159
70	0.268	0.443	0.342	0.568	10.0	6.6	0.39	2.40	0.371	0.344	220	171	194	150	253	196
95	0.193	0.320	0.247	0.411	13.6	8.9	0.39	2.40	0.417	0.327	263	204	232	180	307	238
120	0.153	0.253	0.196	0.325	17.2	11.3	0.39	2.40	0.459	0.313	298	232	264	206	352	274
150	0.124	0.206	0.159	0.265	21.5	14.1	0.39	3.75	0.494	0.304	332	259	296	231	397	309
185	0.0991	0.164	0.127	0.211	26.5	17.4	0.39	3.75	0.543	0.294	374	293	335	262	453	354
240	0.0754	0.125	0.098	0.162	34.3	22.6	0.62	3.75	0.583	0.284	431	338	387	304	529	415
300	0.0601	0.100	0.079	0.130	42.9	28.2	0.62	3.75	0.602	0.275	482	380	435	343	599	472

Current ratings are valid for cables laid under defined conditions at page no. 171. For current ratings at deviated conditions, apply correction factor as given on page no.171-175.

Characteristics



Installation condition



2xSEYFGY/A2xSEYFGY-LF FR

Three Core (Cu or Al/XLPE/CTS or CWS/PVC/FSA/PVC)

APPLICATION

The three core cables are designed for distribution of electrical power with nominal voltage U_0/U ranging from 8.7/15 kV and frequency 50Hz. They are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries, switchboards and power stations.

STANDARD

IEC 60502-2

BDS IEC 60502-2

VOLTAGE GRADE

U_0/U (Um) : 8.7/15 (17.5) kV

Permissible Service Voltage: 9.2/16.3 kV

COLOR

Insulated core : Red, Yellow & Blue core marking tape

Sheath :  (Red or Other Colors available on request)

CONSTRUCTION

Conductor: Stranded Circular Compacted, Plain annealed copper or Aluminium, Class-2 to IEC 60228

Conductor screen: Semi-conductive XLPE

Insulation: XLPE to IEC 60502-2

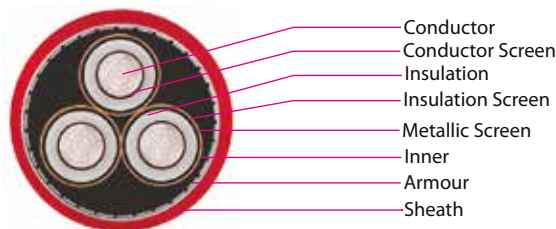
Insulation screen: Semi-conductive XLPE

Metallic screen: Copper Tape or Copper wire to IEC 60502-2

Inner covering: PVC, ST-2 to IEC 60502-2

Armour: Flat Galvanized Steel wire to IEC 60502-2

Binder: Steel tape (Optional) **Sheath:** PVC- LF FR, ST-2 to IEC 60502-2



PHYSICAL DATA

Nominal cross sectional area of conductor	Shape of conductor	Conductor diameter		Nominal thickness of insulation	Nominal thickness of flat steel armour	Nominal thickness of sheath	Metallic screen		Approx. overall diameter of cable	Approx. weight of cable	
		Minimum	Maximum				thickness of copper tape	area of copper wire		Cu	Al
Core x mm ²	-	mm	mm	mm	mm	mm	mm	mm ²	mm	kg/km	kg/km
3 x 25	rmc	5.6	6.5	4.5	0.8	2.4	0.06	16	54.0	4100	3680
3 x 35	rmc	6.6	7.5	4.5	0.8	2.5	0.06	16	56.0	4620	4000
3 x 50	rmc	7.7	8.6	4.5	0.8	2.6	0.06	16	59.0	5250	4500
3 x 70	rmc	9.3	10.2	4.5	0.8	2.7	0.06	16	63.0	6280	5160
3 x 95	rmc	11.0	12.0	4.5	0.8	2.8	0.06	16	67.0	7500	5930
3 x 120	rmc	12.3	13.5	4.5	0.8	2.9	0.06	16	70.5	8420	6400
3 x 150	rmc	13.7	15.0	4.5	0.8	3.0	0.06	25	73.5	9550	7060
3 x 185	rmc	15.3	16.8	4.5	0.8	3.2	0.06	25	78.0	11100	8000
3 x 240	rmc	17.6	19.2	4.5	0.8	3.3	0.06	25	83.5	13400	9200
3 x 300	rmc	19.7	21.6	4.5	0.8	3.5	0.06	25	89.0	15700	10400

ELECTRICAL DATA

Nominal cross sectional area	Maximum D.C resistance of conductor at 20 °C		Maximum A.C resistance of conductor at 90 °C		Short circuit rating of conductor in one second		Short circuit rating of metallic screen in one second		Approx. Capacitance of cable	Approx. Inductance of cable	Current rating in ground at 20 °C				Current rating in air at 30 °C	
											In a buried direct		In a buried duct		In air	
	Cu	Al	Cu	Al	Cu	Al	Cu tape	Cu wire			Cu	Al	Cu	Al	Cu	Al
mm²	Ω/km	Ω/km	Ω/km	Ω/km	kA	kA	kA	kA	μF/km	mH/km	Amp	Amp	Amp	Amp	Amp	Amp
25	0.727	1.20	0.927	1.53	3.6	2.4	0.39	2.40	0.171	0.436	129	100	112	87	143	111
35	0.524	0.868	0.668	1.11	5.0	3.3	0.39	2.40	0.187	0.416	154	119	134	104	172	133
50	0.387	0.641	0.494	0.822	7.2	4.7	0.39	2.40	0.204	0.387	181	140	158	123	205	159
70	0.268	0.443	0.342	0.568	10.0	6.6	0.39	2.40	0.232	0.366	220	171	194	150	253	196
95	0.193	0.320	0.247	0.411	13.6	8.9	0.39	2.40	0.258	0.347	263	204	232	180	307	238
120	0.153	0.253	0.196	0.325	17.2	11.3	0.39	2.40	0.281	0.332	298	232	264	206	352	274
150	0.124	0.206	0.159	0.265	21.5	14.1	0.39	3.75	0.301	0.322	332	259	296	231	397	309
185	0.0991	0.164	0.127	0.211	26.5	17.4	0.39	3.75	0.329	0.311	374	293	335	262	453	354
240	0.0754	0.125	0.098	0.162	34.3	22.6	0.62	3.75	0.363	0.300	431	338	387	304	529	415
300	0.0601	0.100	0.079	0.130	42.9	28.2	0.62	3.75	0.398	0.289	482	380	435	343	599	472

Current ratings are valid for cables laid under defined conditions at page no. 171. For current ratings at deviated conditions, apply correction factor as given on page no.171-175.

Characteristics



Installation condition





MEGHNA STAR CABLES

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