



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	HF XLPE-90°C (IEC 60092-351) Identification: See attached table
Assembly	Insulated conductors laid up together in concentric layers
Bedding	Eventually and when necessary: halogen-free compound Colour: Natural
Outer sheath	Halogen-free compound SHF1 (IEC 60092-359) Colour: Black

Technical characteristics

Operating voltage	600/1000V
Operating T^a (conductor)	Operation: -40°C +90°C During installation: -15°C Short-circuit: 250°C (5s Max.)
Min. bending radius	Outer diameter up to 25mm: 4xD Outer diameter > 25mm: 6xD

Application

Flexible power and control cable for fixed installations on ships and units offshore

Standards / Properties

Ref. standard for drawing	IEC 60092-353
Flame Retardant	IEC 60332-1-2
Fire Retardant	IEC 60332-3-22(Category A)
Halogen free	IEC 60754-1
Low corrosivity	IEC 60754-2 (pH >= 4,3 ; conductivity =< 10µS/mm)
Low smoke emission	IEC 61034 (Transmittance >60%)



Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	I (A), 45°C	R at 20°C (Ohm/Km)
37401500	1x2.5	5.4	45	25	7.98
37401600	1x4	5.9	61	35	4.95
37401700	1x6	6.5	81	46	3.3
3740170B	1x6	6.5	81	46	3.3
37401800	1x10	7.4	122	64	1.91
37401900	1x16	8.6	181	88	1.21
3740190B	1x16	8.6	181	88	1.21
37402000	1x25	10.4	271	117	0.78
37402100	1x35	11.7	370	147	0.554
37402200	1x50	13.4	510	180	0.386
37402300	1x70	15.3	704	233	0.272
37402400	1x95	17.4	923	285	0.206
37402500	1x120	19	1157	333	0.161
37402600	1x150	21.3	1438	386	0.129
37402700	1x185	23.9	1750	444	0.106
37402800	1x240	26.9	2283	528	0.0801
37402900	1x300	29.6	2864	612	0.0641
37405500	2x1.5	8	97	23	13.3
37405700	2x2.5	9.1	131	31	7.98
37405800	2x4	10.2	176	43	4.95
37405900	2x6	11.4	234	55	3.3
37406000	2x10	13.3	348	75	1.91
37406100	2x16	15.1	493	100	1.21
37408400	3x1.5	8.9	118	23	13.3
37408600	3x2.5	9.8	156	31	7.98
37408800	3x4	10.9	211	43	4.95
37408900	3x6	12.2	285	55	3.3
37409000	3x10	14.6	442	75	1.91
37409100	3x16	16.8	642	87	1.21
37409200	3x25	21	1008	110	0.78
37409300	3x35	24	1363	137	0.554
37409400	3x50	27.9	1894	167	0.386
37409500	3x70	30.5	2532	214	0.272
37409600	3x95	36.6	3397	259	0.206
37409700	3x120	40.2	4252	301	0.161
37409800	3x150	45.1	5299	347	0.129
37409900	3x185	50.7	6495	397	0.106
37410000	3x240	57.3	8461	468	0.0801
37413300	4x1.5	9.7	140	20	13.3
37413500	4x2.5	10.6	185	28	7.98
37413700	4x4	12.1	262	37	4.95
37413800	4x6	13.5	351	47	3.3
37413900	4x10	16	544	65	1.91
37414000	4x16	18.7	802	87	1.21

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	I (A), 45°C	R at 20°C (Ohm/Km)
37414100	4x25	23.7	1271	110	0.78
37414200	4x35	25.9	1690	137	0.554
37414300	4x50	31.3	2396	167	0.386
37414400	4x70	35.8	3284	214	0.272
37414500	4x95	40.6	4282	259	0.206
37414800	4x120	44.8	5391	301	0.161
37414900	4x150	50.2	8262	347	0.129
37411600	4x185	56.5	8262	397	0.106
37411700	4x240	63.7	10763	468	0.0801
37416200	5x1.5	10.4	165	20	13.3
37416300	5x2.5	11.8	229	28	7.98
37416400	5x4	13.3	315	37	4.95
37416500	5x6	15	431	47	3.3
37416600	5x10	17.7	670	65	1.91
37416700	5x16	20.8	991	87	1.21
37416800	5x25	25.9	1554	110	0.78
37416900	5x35	29.1	2095	137	0.554
37417000	5x50	34.5	2942	167	0.386
37419600	7x1.5	11.4	204	11	13.3
37419700	7x2.5	13	284	15	7.98
37423700	10x1.5	13.4	277	10	13.3
37426100	12x1.5	14.3	326	9	13.3
37426200	12x2.5	17.2	477	12.5	7.98
37427400	14x1.5	15.4	333	8.5	13.3
37428600	16x1.5	16.6	384	8	13.3
37430100	19x1.5	17.3	435	7.5	13.3
37430200	19x2.5	20.3	632	11	7.98
37433300	24x1.5	19.5	542	7	13.3
37435700	27x1.5	20.7	601	6.5	13.3
37435800	27x2.5	24.3	876	9	7.98

Leyenda

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
I (A), 45°C	Intensidad máxima admisible (A), al aire (45°C)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Colour Table

N° conductors	Insulation colour
1x	Natural
2x	Blue, Brown
3x	Brown, Black, Grey

N° conductors	Insulation colour
4x	Blue, Brown, Black, Grey
5x	White numbered
>5	White numbered