

M2XH

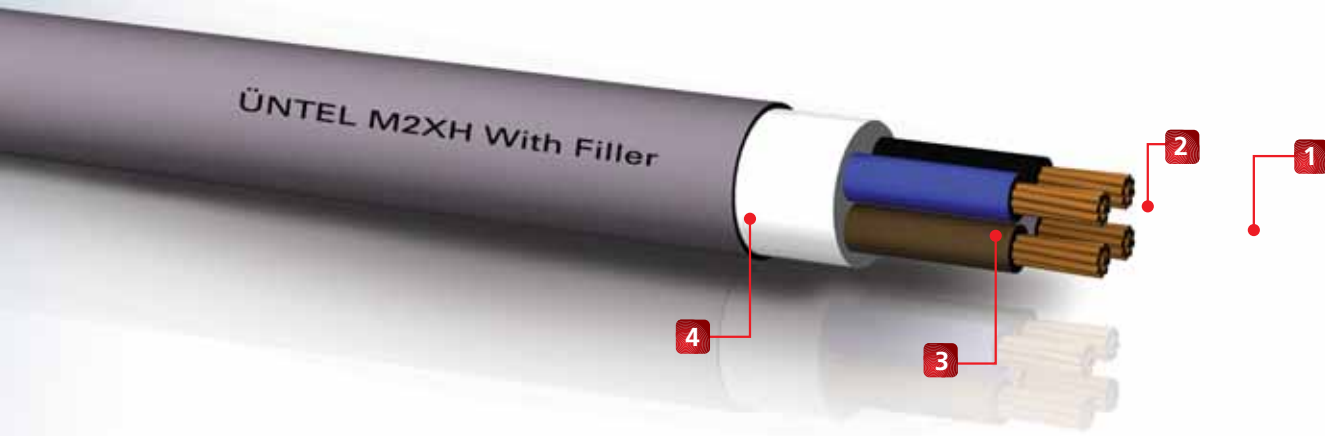
HALOJENSİZ, ALEV YÜRÜTMİYEN GÜÇ KABLOSU HALOGEN-FREE, FLAME RETARDANT POWER CABLE

KABLO YAPISI

- 1- İLETKEN** : Elektrolitik, tavlı ve bükülü bakır tel. IEC 60228 Sınıf 2 (Sınıf 5 ve/veya kalaylı isteğe bağlı).
- 2- İZOLASYON** : Halojensiz, çapraz bağlı polietilen bileşik (XLPE).
- 3- DOLGU** : Halojensiz bileşikten dolgu.
- 4- DIŞ KILIF** : Halojensiz, alev iletmeyen, termoplastik poliolefin bazlı bileşik (HM4 / SHF1) - HD 604. Renk: Siyah veya Gri.

CABLE STRUCTURE

- 1- CONDUCTOR** : Electrolytic, stranded, annealed copper wire. IEC 60228 Class 2 (Class 5 and/or tinned on request).
- 2- INSULATION** : Halogen-free, crosslinked polyethylene compound (XLPE).
- 3- BEDDING** : Halogen-free compound.
- 4- OUTER SHEATH** : Halogen-free, flame retardant, thermoplastic polyolefin based compound (HM4 / SHF1) - HD 604. Color: Black or Grey.



ÜRETİM VE TEST STANDARTLARI / PRODUCTION AND TEST STANDARDS

KONSTRÜKSİYON / CONSTRUCTION	: IEC 60092/353
TESTLER VE MALZEME / TESTS AND MATERIAL	: IEC 60092 /350-351-359
ALEV YÜRÜTMEME / FLAME RETARDATION	: IEC 60332 /1, IEC 60332 / 3 Cat A
HALOJEN MİKTARI / HALOGEN CONTENT	: IEC 60754 / 1 - 2,
DUMAN YOĞUNLUĞU / SMOKE DENSITY	: IEC 61034 / 1-2 (DIN EN 50268/1-2)
İŞLETME SICAKLIĞI / WORKING TEMPERATURE	: -40°C / + 90°C
MİN. BÜKÜM YARIÇAPI (SABİT) / MIN. BENDING RADIUS (FIXED)	: 6 x (Kablo Çapı / Overall Diameter)
ANMA GERİLİMLERİ / RATED VOLTAGE	: 0,6 / 1 kV
TEST GERİLİMİ / TEST VOLTAGE	: 3,5 kV

KULLANIM ALANI

Her türlü deniz aracında elektromekanik, elektronik cihazlarda ve panolarda sabit bağlantı kablosu olarak kullanılır.

ORTAM

Kuru, ıslak, yağlı ve tüm deniz ortamlarında kullanılabilir.

GÜVENLİK

Halojensiz olması, düşük duman yoğunluğu ve alev iletmemesi özellikleri sayesinde herhangi bir yangın durumunda korozif gazlar oluşturmaz, görüşü kapatmaz ve yangının yayılmasını önler. Böylece insan sağlığını ve değerli ekipmanı korur.

APPLICATION

Used as fixed installation cables in various electromechanical and electronic equipments of marine vehicles.

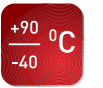
ENVIRONMENT

Usable at all conditions in marine environment such as dry, wet or oily locations.

SAFETY

Due to its' halogen-free, low smoke density and flame retardant features, it won't create corrosive gases nor obstruct visibility and prevents the fire from spreading around. Thus it protects human life and equipment, during a fire.

NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DIŞ ÇAPI OVERALL DIAMETER		KABLO DIŞ ÇAPI OVERALL DIAMETER		YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT		YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT		BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
	WITHOUT FILLER	WITH FILLER	WITHOUT FILLER	WITH FILLER	WITHOUT FILLER	WITH FILLER	WITHOUT FILLER	WITH FILLER	
1 x 1	4.7	4.7			32	40			10
1 x 1.5	5	5			38	50			15
1 x 2.5	5.4	5.4			49	60			24
1 x 4	6	6			67	80			39
1 x 6	6.5	6.5			89	100			58
1 x 10	7.4	7.4			131	145			96
1 x 16	8.6	8.4			192	200			154
1 x 25	10.3	10.3			289	310			240
1 x 35	11.6	11.4			386	390			336
1 x 50	13.2	13.2			517	550			480
1 x 70	15.4	15.4			730	750			672
1 x 95	17.4	17.2			979	1000			912
1 x 120	19.3	19.1			1232	1250			1152
1 x 150	21.2	21.2			1507	1540			1440
1 x 185	23.7	23.5			1881	1895			1776
1 x 240	26.6	26.4			2456	2460			2304
1 x 300	31	29.2			3200	3050			2880
2 x 1	7.7	9.6			61	131			20
2 x 1.5	8.5	10.2			79	153			29
2 x 2.5	9.3	11			102	188			48
2 x 4	10.5	12.4			139	250			77
2 x 6	11.7	13.4			188	312			116
2 x 10	13.5	15.4			274	441			192
2 x 16	15.7	17.6			401	615			308
2 x 25	20.8	21.2			895	918			480
2 x 35	23.1	23.1			1160	1160			672
2 x 50	26.6	26.6			1551	1551			960
2 x 70	31.4	31.4			2195	2195			1344
2 x 95	35.2	35.2			2873	2873			1824
2 x 120	39	39			3580	3580			2304
2 x 150	43.6	43.6			4450	4450			2880
2 x 185	48.4	48.4			5512	5512			3552
2 x 240	54.8	54.8			7191	7191			4608
3 x 1	8.2	10.1			77	147			29
3 x 1.5	9	10.7			101	173			44
3 x 2.5	9.9	11.8			133	224			72
3 x 4	11.3	13			191	292			116
3 x 6	12.4	14.1			254	371			173
3 x 10	14.6	16.3			386	539			288
3 x 16	16.9	18.6			569	760			461
3 x 25	22.3	22.5			1132	1146			720
3 x 35	24.8	25			1473	1488			1008
3 x 50	28.5	28.7			1980	1998			1440
3 x 70	33.6	33.8			2806	2827			2016
3 x 95	37.6	37.8			3689	3713			2736
3 x 120	42.1	41.9			4661	4740			3456
3 x 150	46.6	46.8			5726	5756			4320
3 x 185	51.9	52.1			7119	7153			5328
3 x 240	58.5	58.7			9274	9312			6912
4 x 1	9.1	10.8			98	170			39
4 x 1.5	9.8	11.7			124	210			58
4 x 2.5	10.8	12.7			166	266			96
4 x 4	12.4	14.1			241	353			154
4 x 6	13.6	15.5			323	461			231
4 x 10	16	17.9			495	672			384
4 x 16	18.6	20.5			739	952			615
4 x 25	24.7	24.9			1429	1445			960
4 x 35	27.5	27.7			1866	1884			1344
4 x 50	32	31.8			2546	2530			1920
4 x 70	37.2	37.4			3555	3579			2688
4 x 95	42.4	42.2			4772	4850			3648
4 x 120	46.9	47.1			5956	5986			4608
4 x 150	51.9	51.7			7316	7400			5760
4 x 185	58.3	58.1			9177	9230			7104
4 x 240	65.8	64.6			11976	12300			9216
5 x 1	9.9	11.8			119	196			48
5 x 1.5	10.7	12.6			151	237			72
5 x 2.5	12	13.7			210	302			120
5 x 4	13.6	15.5			297	415			192
5 x 6	15.2	17.1			409	545			288
5 x 10	17.8	19.7			625	796			480
5 x 16	20.8	22.7			928	1142			768
5 x 25	27.1	27.5			1697	1728			1200
5 x 35	30.9	30.9			2279	2279			1680

Halojensiz
Halogen FreeAlev Yürütme
Flame RetardationDüşük Duman
Yoğunluğu
Low Smoke
DensityYağa Dayanıklı
Oil Resistant0,6/1
kV
Anma Gerilimi
Rated Voltage3,5 kV
Test Gerilimi
Test Voltage+90 0C
-40
İşletme Sıcaklığı
Working Temperature6x
Büküm Yarıçapı
Bending Radius

GEMİ KABLolarI

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NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DIŞ ÇAPI OVERALL DIAMETER WITHOUT FILLER (mm)	KABLO DIŞ ÇAPI OVERALL DIAMETER WITH FILLER (mm)	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km) WITHOUT FILLER	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km) WITH FILLER	BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
5 x 50	35.6	35.6	3074	3074	2400
5 x 70	41.5	41.5	4301	4301	3360
5 x 95	47.2	47.2	5768	5768	4560
5 x 120	52.2	52.2	7202	7202	5760
5 x 150	58.2	58.2	8912	8912	7200
5 x 185	65.4	65.4	11184	11184	8880
5 x 240	73.4	73.4	14510	14510	11520
6 x 1	10.6	12.5	139	222	58
6 x 1.5	11.7	13.4	183	271	87
6 x 2.5	12.9	14.6	248	348	144
7 x 1	10.6	12.5	146	230	68
7 x 1.5	11.7	13.4	195	283	101
7 x 2.5	12.9	14.6	267	367	168
8 x 1	12.3	14.6	188	310	77
8 x 1.5	13.4	15.7	242	380	116
8 x 2.5	15	17.3	336	500	192
9 x 1	13.2	15.5	213	350	87
9 x 1.5	14.5	16.8	280	440	130
9 x 2.5	16.1	18.4	381	555	216
10 x 1	13.5	14.8	209	350	96
10 x 1.5	14.9	17.2	278	450	144
10 x 2.5	16.7	18.8	388	570	240
12 x 1	14.2	16.3	245	400	116
12 x 1.5	15.4	17.7	318	500	173
12 x 2.5	17.3	19.6	448	650	288
14 x 1	14.9	17.3	276	450	135
14 x 1.5	16.2	18.5	361	550	202
14 x 2.5	18.1	20.4	510	730	336
16 x 1	15.6	18	311	500	154
16 x 1.5	17.2	19.6	416	620	231
16 x 2.5	19.3	21.5	587	810	384
18 x 1	16.6	18.8	353	550	173
18 x 1.5	18.1	20.5	463	690	260
18 x 2.5	20.3	22.7	655	910	432
19 x 1	16.6	18.8	361	550	183
19 x 1.5	18.1	20.5	475	500	274
19 x 2.5	20.3	22.6	674	910	456
20 x 1	16.6	18.7	384	550	192
20 x 1.5	18.1	20.4	505	710	288
20 x 2.5	20.3	22.6	717	950	480
21 x 1	17.5	19.8	422	620	202
21 x 1.5	19.3	21.4	564	780	303
21 x 2.5	21.5	23.8	784	1050	504
24 x 1	19.5	21.6	457	680	231
24 x 1.5	21.3	23.6	602	850	346
24 x 2.5	23.9	26.2	854	1150	576
25 x 1	19.5	21.6	471	685	240
25 x 1.5	21.3	23.6	621	880	360
25 x 2.5	23.9	26.2	882	1190	600
27 x 1	20	22.3	501	750	260
27 x 1.5	22	24.1	673	930	389
27 x 2.5	24.7	26.8	955	1250	648
30 x 1	20.7	23	547	800	288
30 x 1.5	22.8	25.1	736	920	432
30 x 2.5	25.5	27.8	1046	1380	720
32 x 1	21.4	23.7	582	850	308
32 x 1.5	23.6	26	783	1090	461
32 x 2.5	26.5	28.8	1115	1470	768
36 x 1	22.4	24.5	655	930	346
36 x 1.5	24.7	26.8	881	1190	519
36 x 2.5	27.7	29.8	1253	1610	864
37 x 1	22.4	24.5	662	930	356
37 x 1.5	24.7	26.8	893	1200	533
37 x 2.5	27.7	29.8	1272	1640	888
40 x 1	23.3	25.6	725	1030	384
40 x 1.5	25.7	28	977	1310	576
40 x 2.5	28.9	31.2	1393	1820	960
42 x 1	24.3	26.6	760	1070	404
42 x 1.5	26.8	29.1	1025	1370	605
42 x 2.5	30.2	32.3	1474	1880	1008
48 x 1	25.8	28.1	850	1190	461
48 x 1.5	28.4	30.7	1147	1530	692
48 x 2.5	31.9	34.2	1638	2100	1152
60 x 1	28.2	30.5	1049	1440	576
60 x 1.5	31.1	33.5	1418	1860	864