

M2XH

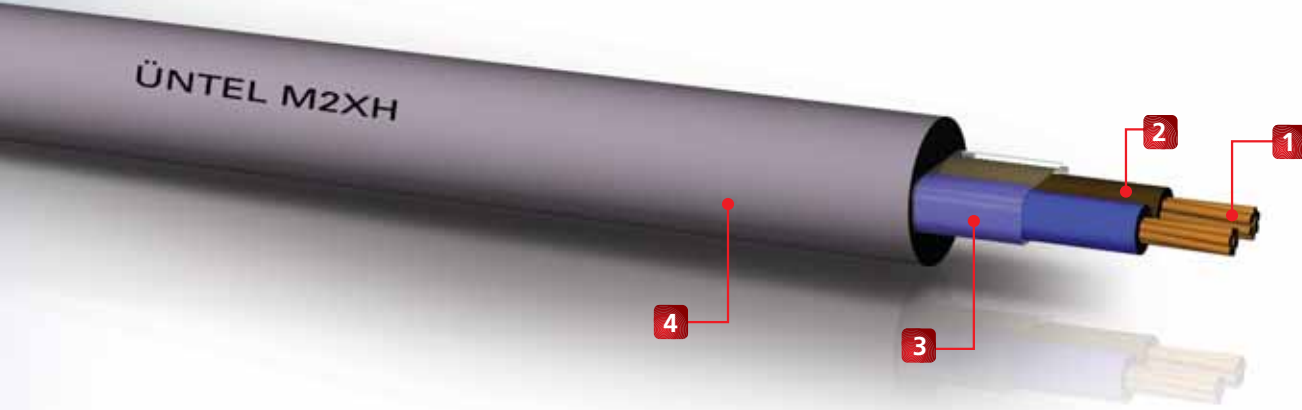
HALOJENSİZ, ALEV YÜRÜTMİYEN GÜÇ KABLOSU HALOGEN-FREE, FLAME RETARDANT POWER CABLE

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- AYIRICI** : Ayırıcı folyo veya talebe bağlı olarak 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- SEPARATOR** : Separating foil or halogen-free bedding compound on request.
- 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 iletmemeye 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 DIŐ ÇAPI OVERALL DIAMETER (mm)	YAKLAŐIK KABLO AĐIRLIĐI APPX. WEIGHT (kg / km)	BAKIR AĐIRLIĐI COPPER WEIGHT (kg / km)
	1 x 1	4.7	32	10
Halojensiz Halogen Free	1 x 1.5	5	38	15
	1 x 2.5	5.4	49	24
	1 x 4	6	67	39
	1 x 6	6.5	89	58
	1 x 10	7.4	131	96
	1 x 16	8.6	192	154
	1 x 25	10.3	289	240
	1 x 35	11.6	386	336
Alev Yürütme Flame Retardation	1 x 50	13.2	517	480
	1 x 70	15.4	730	672
	1 x 95	17.4	979	912
	1 x 120	19.3	1232	1152
	1 x 150	21.2	1507	1440
	1 x 185	23.7	1881	1776
	1 x 240	26.6	2456	2304
	1 x 300	31	3200	2880
Düşük Duman Yoğunluđu Low Smoke Density	2 x 1	7.7	61	20
	2 x 1.5	8.5	79	29
	2 x 2.5	9.3	102	48
	2 x 4	10.5	139	77
	2 x 6	11.7	188	116
	2 x 10	13.5	274	192
	2 x 16	15.7	401	308
	2 x 25	20.8	895	480
	2 x 35	23.1	1160	672
Yađa Dayanıklı Oil Resistant	2 x 50	26.6	1551	960
	2 x 70	31.4	2195	1344
	2 x 95	35.2	2873	1824
	2 x 120	39	3580	2304
	2 x 150	43.6	4450	2880
	2 x 185	48.4	5512	3552
	2 x 240	54.8	7191	4608
	3 x 1	8.2	77	29
0,6/1 kV Anma Gerilimi Rated Voltage	3 x 1.5	9	101	44
	3 x 2.5	9.9	133	72
	3 x 4	11.3	191	116
	3 x 6	12.4	254	173
	3 x 10	14.6	386	288
	3 x 16	16.9	569	461
3.5 kV Test Gerilimi Test Voltage	3 x 25	22.3	1132	720
	3 x 35	24.8	1473	1008
	3 x 50	28.5	1980	1440
	3 x 70	33.6	2806	2016
	3 x 95	37.6	3689	2736
	3 x 120	42.1	4661	3456
	3 x 150	46.6	5726	4320
	3 x 185	51.9	7119	5328
	3 x 240	58.5	9274	6912
+90 °C -40 İşletme Sıcaklığı Working Temperature	4 x 1	9.1	98	39
	4 x 1.5	9.8	124	58
	4 x 2.5	10.8	166	96
	4 x 4	12.4	241	154
	4 x 6	13.6	323	231
	4 x 10	16	495	384
	4 x 16	18.6	739	615
	4 x 25	24.7	1429	960
	4 x 35	27.5	1866	1344
	4 x 50	32	2546	1920
	4 x 70	37.2	3555	2688
	4 x 95	42.4	4772	3648
	4 x 120	46.9	5956	4608
	4 x 150	51.9	7316	5760
	4 x 185	58.3	9177	7104
	4 x 240	65.8	11976	9216
	5 x 1	9.9	119	48
	5 x 1.5	10.7	151	72
	5 x 2.5	12	210	120
	5 x 4	13.6	297	192
	5 x 6	15.2	409	288
	5 x 10	17.8	625	480
	5 x 16	20.8	928	768
	5 x 25	27.1	1697	1200
	5 x 35	30.9	2279	1680

NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DİŞ ÇAPI OVERALL DIAMETER (mm)	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km)	BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
5 x 50	35.6	3074	2400
5 x 70	41.5	4301	3360
5 x 95	47.2	5768	4560
5 x 120	52.2	7202	5760
5 x 150	58.2	8912	7200
5 x 185	65.4	11184	8880
5 x 240	73.4	14510	11520
6 x 1	10.6	139	58
6 x 1.5	11.7	183	87
6 x 2.5	12.9	248	144
7 x 1	10.6	146	68
7 x 1.5	11.7	195	101
7 x 2.5	12.9	267	168
8 x 1	12.3	188	77
8 x 1.5	13.4	242	116
8 x 2.5	15	336	192
9 x 1	13.2	213	87
9 x 1.5	14.5	280	130
9 x 2.5	16.1	381	216
10 x 1	13.5	209	96
10 x 1.5	14.9	278	144
10 x 2.5	16.7	388	240
12 x 1	14.2	245	116
12 x 1.5	15.4	318	173
12 x 2.5	17.3	448	288
14 x 1	14.9	276	135
14 x 1.5	16.2	361	202
14 x 2.5	18.1	510	336
16 x 1	15.6	311	154
16 x 1.5	17.2	416	231
16 x 2.5	19.3	587	384
18 x 1	16.6	353	173
18 x 1.5	18.1	463	260
18 x 2.5	20.3	655	432
19 x 1	16.6	361	183
19 x 1.5	18.1	475	274
19 x 2.5	20.3	674	456
20 x 1	16.6	384	192
20 x 1.5	18.1	505	288
20 x 2.5	20.3	717	480
21 x 1	17.5	422	202
21 x 1.5	19.3	564	303
21 x 2.5	21.5	784	504
24 x 1	19.5	457	231
24 x 1.5	21.3	602	346
24 x 2.5	23.9	854	576
25 x 1	19.5	471	240
25 x 1.5	21.3	621	360
25 x 2.5	23.9	882	600
27 x 1	20	501	260
27 x 1.5	22	673	389
27 x 2.5	24.7	955	648
30 x 1	20.7	547	288
30 x 1.5	22.8	736	432
30 x 2.5	25.5	1046	720
32 x 1	21.4	582	308
32 x 1.5	23.6	783	461
32 x 2.5	26.5	1115	768
36 x 1	22.4	655	346
36 x 1.5	24.7	881	519
36 x 2.5	27.7	1253	864
37 x 1	22.4	662	356
37 x 1.5	24.7	893	533
37 x 2.5	27.7	1272	888
40 x 1	23.3	725	384
40 x 1.5	25.7	977	576
40 x 2.5	28.9	1393	960
42 x 1	24.3	760	404
42 x 1.5	26.8	1025	605
42 x 2.5	30.2	1474	1008
48 x 1	25.8	850	461
48 x 1.5	28.4	1147	692
48 x 2.5	31.9	1638	1152
60 x 1	28.2	1049	576
60 x 1.5	31.1	1418	864

