

M2XCH-M2XCH (EMC)

HALOJENSİZ, ALEV YÜRÜTMİYEN EKranLI GÜÇ KABLOSU
HALOGEN-FREE, FLAME RETARDANT, SCREENED 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- EKran** : Elektrolitik bakır tellerden örülmüş ekran (kapatma oranı: %90).
M2XCH (EMC) tipinde ekrana ilave olarak %100 örtün bakır bant mevcuttur.
- 5- DİŞ 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- SEPERATOR** : Separating foil or halogen-free bedding compound on request.
- 4- SCREEN** : Electrolytic copper braided screen (90% coverage). M2XCH (EMC) type is wrapped by a copper tape in addition to this screen. (100% coverage).
- 5- 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)
EKran ETKİNLİĞİ (EMC TİPİ İÇİN) / SHIELDING EFFECTIVENES (for EMC type)	: DIN EN 50147-1
İŞLETME SICAKLIĞI / WORKING TEMPERATURE	: -40°C / + 90°C
MİN. BÜKÜM YARIÇAPI (SABİT) / MIN. BENDING RADIUS (FIXED)	: 8 x (Kablo Çapı / Overall Diameter)
ANMA GERİLİMLERİ / RATED VOLTAGE	: 0,6 / 1 kV
TEST GERİLİMİ / TEST VOLTAGE	: 3,5 kV

KULLANIM ALANI

Elektromekanik, elektronik cihazlarda ve panolarda sabit bağlantı kablosu olarak kullanılır. Ekranlı olması sayesinde elektromanyetik etkileşim minimuma indirilmiştir.

ORTAM

Kuru, ıslak, yağlı ve tüm deniz ortamlarında, elektromanyetik koruma gereken bölgelerde 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. Due to its' overall screen the electromagnetic interference is minimized.









ENVIRONMENT

Usable at all conditions in marine environment such as dry, wet or oily locations, where electromagnetic protection is required as well.

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.

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	NOMİNAL KESİT CROSS SECTION (mm ²)	KABLO DIŞ ÇAPI OVERALL DIAMETER (mm)	YAKLAŞIK KABLO AĞIRLIĞI APPX. WEIGHT (kg / km)	BAKIR AĞIRLIĞI COPPER WEIGHT (kg / km)
 Halojeniziz Halogen Free	1 x 1	5.9	55	30.6
	1 x 1.5	6.2	64	35.4
 Alev Yürütme Flame Retardation	1 x 2.5	6.6	77	45
	1 x 4	7.2	99	64.4
	1 x 6	7.7	123	83.6
	1 x 10	8.8	174	127
	1 x 16	9.8	237	189.6
	1 x 25	11.7	350	286
	1 x 35	12.8	448	390
	1 x 50	15	628	566
	1 x 70	17.2	859	776
	1 x 95	19	1116	1033
 Düşük Duman Yoğunluğu Low Smoke Density	1 x 120	20.9	1384	1274
	1 x 150	23	1686	1578
	1 x 185	25.5	2081	1931
	1 x 240	28.4	2681	2476
	1 x 300	31.2	3298	3087
	1 x 630	43	6658	6048
	2 x 1	8.9	103	54.2
	2 x 1.5	9.5	120	69.8
	2 x 2.5	10.3	147	91
	2 x 4	11.7	197	128.8
 Yağa Dayanıklı Oil Resistant	2 x 6	12.7	246	168.2
	2 x 10	15.1	382	289
	2 x 16	17.3	527	423.2
	2 x 25	22.6	1070	635
	2 x 35	25	1355	846
	2 x 50	28.4	1775	1163
	2 x 70	33.2	2460	1576
	2 x 95	37.4	3258	2185
	2 x 120	41.2	4007	2717
	2 x 150	45.6	4904	3344
 0,6/1 kV Anma Gerilimi Rated Voltage	2 x 185	50.6	6043	4068
	2 x 240	56.8	7762	5175
	3 x 1	9.4	122	66.8
	3 x 1.5	10	144	82.2
	3 x 2.5	10.9	182	115
	3 x 4	12.3	247	164.2
	3 x 6	14	352	263.8
	3 x 10	16	495	397
	3 x 16	18.3	695	587.8
	3 x 25	23.9	1308	883
 3.5 kV Test Gerilimi Test Voltage	3 x 35	26.4	1668	1198
	3 x 50	30.3	2220	1657
	3 x 70	35.2	3072	2260
	3 x 95	39.8	4100	3121
	3 x 120	44.3	5122	3846
	3 x 150	48.6	6212	4753
	3 x 185	53.9	7660	5809
	3 x 240	60.7	9915	7489
	3 x 400	76.3	16208	12130
	4 x 1	10.1	143	78.4
 +90 0C -40 İşletme Sıcaklığı Working Temperature	4 x 1.5	10.8	172	103.6
	4 x 2.5	12	226	147
	4 x 4	14	339	248.6
	4 x 6	15.2	432	326.4
	4 x 10	17.6	623	498
	4 x 16	20.2	889	747.4
	4 x 25	26.3	1624	1150
	4 x 35	29.1	2094	1544
	4 x 50	33.8	2831	2150
	4 x 70	39.4	3982	3043
 8x Büküm Yarıçapı Bending Radius	4 x 95	44.6	5263	4105
	4 x 120	49.1	6502	5115
	4 x 150	53.9	7897	6270
	4 x 185	60.5	9867	7714
	4 x 240	68	12762	9876
	5 x 1	10.9	168	92
	5 x 1.5	11.9	210	124
	5 x 2.5	13	270	181
	5 x 4	15.2	406	290
	5 x 6	16.8	531	405
	5 x 10	19.4	768	617
	5 x 16	22.4	1096	924
	5 x 25	28.9	1926	1405

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5 x 35	32.5	2524	1914
5 x 50	37.6	3444	2764
5 x 70	43.7	4755	3776
5 x 95	49.4	6285	5028
5 x 120	54.4	7773	6280
5 x 150	60.4	9550	7824
5 x 185	67.4	11866	9574
5 x 240	75.4	15276	12283
6 x 1	11.8	197	105.6
6 x 1.5	12.7	241	134.4
6 x 2.5	14.5	350	233
7 x 1	11.8	205	115.2
7 x 1.5	12.7	253	148.8
7 x 2.5	14.5	369	257
8 x 1	13.3	249	132.8
8 x 1.5	15	349	204.2
8 x 2.5	16.6	456	299
9 x 1	14.8	319	175.4
9 x 1.5	15.9	388	236.6
9 x 2.5	17.7	510	323
10 x 1	15.1	297	190
10 x 1.5	16.3	363	257
10 x 2.5	18.1	481	353
12 x 1	15.6	324	209.2
12 x 1.5	17	409	285.8
12 x 2.5	18.7	537	419
14 x 1	16.3	355	247.4
14 x 1.5	17.8	451	314.6
14 x 2.5	19.7	606	467
16 x 1	17.2	395	266.6
16 x 1.5	18.6	494	361.4
16 x 2.5	20.7	669	515
18 x 1	18	427	285.8
18 x 1.5	19.7	547	390.2
18 x 2.5	21.7	732	582
19 x 1	18	437	295.4
19 x 1.5	19.7	562	404.6
19 x 2.5	21.7	780	606
20 x 1	18	448	305
20 x 1.5	19.7	578	419
20 x 2.5	21.7	780	630
21 x 1	18.9	473	332.6
21 x 1.5	20.7	610	433.4
21 x 2.5	23.1	835	654
24 x 1	20.9	542	380.4
24 x 1.5	22.9	699	495.6
24 x 2.5	25.5	955	745
25 x 1	20.9	552	390
25 x 1.5	22.9	713	510
25 x 2.5	25.5	978	769
27 x 1	21.4	580	409.2
27 x 1.5	23.4	752	538.8
27 x 2.5	26.1	1035	817
30 x 1	22.3	633	438
30 x 1.5	24.2	810	601
30 x 2.5	26.9	1118	917
32 x 1	23	665	457.2
32 x 1.5	25.2	865	629.8
32 x 2.5	28.1	1196	965
36 x 1	23.8	719	514.6
36 x 1.5	26.1	940	687.4
36 x 2.5	29.1	1307	1033
37 x 1	23.8	729	552.2
37 x 1.5	26.1	955	701.8
37 x 2.5	29.1	1330	1057
40 x 1	24.9	788	581
40 x 1.5	27.1	1020	773
40 x 2.5	30.5	1441	1185
42 x 1	25.9	826	572.2
42 x 1.5	28.4	1083	801.8
42 x 2.5	31.6	1508	1233
48 x 1	27.4	923	657.8
48 x 1.5	29.8	1197	888.2
48 x 2.5	33.5	1696	1405
60 x 1	29.6	1083	773
60 x 1.5	32.5	1437	1089

