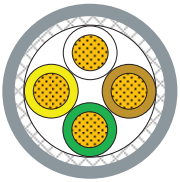
LIHCH

VDE 0812





Yapı / *Construction*

İletken	: Elektrolitik Bükülü Tavlı Bakır Tel, Sınıf 5, EN 60228, IEC 60228, VDE 0295	Conductor	: Electrolytic Stranded Annealed Copper Wire, Class 5, EN 60228, IEC 60228, VDE 0295
İzolasyon	: EN 50290-2-26 HFFR Kompaund	Insulation	: EN 50290-2-26 HFFR Compaund
İzolasyon Rengi	: DIN 47100	Insulation Colour	: DIN 47100
Büküm	: Katlar Halinde Büküm	Stranding	: Cores Twisted in Layers
Ayırıcı Bant	: PES Bant	Seperator	: PES Tape
Ekran	: Bükülü Kalaylı Bakır Toprak Teli + AL-PES Bant	Screen	: Tinned Copper Drain Wire + AL-PES Tape
Dış Kılıf	: EN 50290-2-27 HFFR Kompaund	Outer Sheath	: EN 50290-2-27 HFFR Compaund
Dış Kılıf Rengi	: RAL 7001 Gri	Outer Sheath Colour	: RAL 7001Grey

Kullanıldığı Yerler / *Applications*

Bu tip kablolar elektronik kontrol sistemlerindeki bağlantılarda, ses frekansı iletiminde, sinyal ve bilgi iletişim kabloları olarak kullanılırlar. Bu kablolar, halojensiz, alev geciktirici ve düşük duman yoğunluğuna sahiptirler.

This type of cables are used as signal and data transmission cables in the connections of electronic control systems, sound frequency transmission. This type of cables is halogen-free, has flame -retarder and low smoke density

Teknik Bilgiler / *Technical Data*

İletken Direnci *Conductor Resistance*		**Yalıtkan Direnci** *Insulation Resistance*	**Efektif Kapasite** *Mutual Capacity*		**Empedans** *Impedance*	**İndüktans** *Inductance*	**Akım Taşım Kapasite** *Current Carrying Capacity*		**Çalışma Voltajı** *Operating Voltage*	**Test Voltajı** *Test Voltage*	**Bükülme Yarı Çapı** *Bending Radius*	**Çalışma Sıcaklığı** *Temperature Range*
mm²	Ω/km	MΩxKm	mm²	pf/m	Ω	mH/km	mm²	A	V	V		°C
0,22	79	≥ 200	0,22	110	78	0,67	0,22	2,50	300/500 V	2000 V	10XD	-30°C ...+70°C
0,50	39		0,50	120			0,50	6				
0,75	26		0,75	120			0,75	13				
1,00	19,50		1,00	130			1,00	16				
1,50	13,30		1,50	140			1,50	20				
2,50	7,98		2,50	150			2,50	25				

Yangın Performans Testleri / *Fire Performance Tests*

Alev Geciktiticilik Testi *Flame Retardant*	**Duman Yoğunluğu Testi** *Smoke Densinty Test*	**Korozif Gaz Testi** *Corrosive Gas*	**HalojensizlikTesti** *Halogen Free Test*	**Alev Yayılma Testi** *Flame Propogation*	**EMC***
IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2	IEC 60754-1 VDE 0482-267-2-1 EN 50267-3-1	IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24	Elektromanyetik Uyumlu *Elektromagnetic Compatibility*

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Malzeme Kodu *Products Code*	Kesit *Cross Section* (mm²)	Dış Çap *Outer Diam.* (mm~)	Bakır Ağırlığı *Copper Weight* (kg/km~)	Toplam Ağırlık (kg/km~)
3340231021	2x0,22	4,05	8	21
3340231031	3x0,22	4,25	10	25
3340231041	4x0,22	4,55	13	30
3340231051	5x0,22	4,90	16	35
3340231061	6x0,22	5,45	18	43
3340231071	7x0,22	5,45	20	46
3340231081	8x0,22	6,00	23	53
3340231101	10x0,22	6,85	28	65
3340231121	12x0,22	7,05	32	73
3340231141	14x0,22	7,35	37	81
3340231161	16x0,22	7,70	42	90
3340231181	18x0,22	8,05	46	99
3340231191	19x0,22	8,05	48	102
3340231201	20x0,22	8,45	51	109
3340231241	24x0,22	9,25	60	125
3340231251	25x0,22	9,25	62	129

Malzeme Kodu *Products Code*	Kesit *Cross Section* (mm²)	Dış Çap *Outer Diam.* (mm~)	Bakır Ağırlığı *Copper Weight* (kg/km~)	Toplam Ağırlık *Total Weight* (kg/km~)
3340234021	2x0,50	5,05	14	33
3340234031	3x0,50	5,50	19	43
3340234041	4x0,50	5,95	23	52
3340234051	5x0,50	6,65	28	65
3340234061	6x0,50	7,15	34	75
3340234071	7x0,50	7,15	38	81
3340234081	8x0,50	7,95	43	94
3340234101	10x0,50	8,85	53	111
3340234121	12x0,50	9,15	62	126
3340234141	14x0,50	10,00	71	151
3340234161	16x0,50	10,50	80	169
3340234181	18x0,50	11,00	89	186
3340234191	19x0,50	11,00	93	192
3340234201	20x0,50	11,50	99	203
3340234241	24x0,50	12,70	117	238
3340234251	25x0,50	12,70	122	245

3340235021	2x0,75	5,75	19	43
3340235031	3x0,75	6,05	26	55
3340235041	4x0,75	6,75	33	69
3340235051	5x0,75	7,30	40	83
3340235061	6x0,75	7,90	48	96
3340235071	7x0,75	7,90	54	105
3340235081	8x0,75	8,80	62	121
3340235101	10x0,75	10,25	76	154
3340235121	12x0,75	10,60	88	174
3340235141	14x0,75	11,05	103	197
3340235161	16x0,75	11,65	116	220
3340235181	18x0,75	12,20	129	243
3340235191	19x0,75	12,20	135	253
3340235201	20x0,75	12,85	143	269
3340235241	24x0,75	14,60	170	328
3340235251	25x0,75	14,60	176	337

3340236021	2x1,00	5,95	23	48
3340236031	3x1,00	6,30	33	62
3340236041	4x1,00	7,00	42	79
3340236051	5x1,00	7,60	51	95
3340236061	6x1,00	8,20	60	111
3340236071	7x1,00	8,20	69	121
3340236081	8x1,00	9,15	79	140
3340236101	10x1,00	10,65	97	177
3340236121	12x1,00	11,00	114	203
3340236141	14x1,00	11,50	132	230
3340236161	16x1,00	12,10	150	257
3340236181	18x1,00	12,75	168	286
3340236191	19x1,00	12,75	176	298
3340236201	20x1,00	13,40	185	314
3340236241	24x1,00	15,20	222	383
3340236251	25x1,00	15,20	230	395

3340237021	2x1,50	6,85	32	67
3340237031	3x1,50	7,25	45	84
3340237041	4x1,50	7,85	58	103
3340237051	5x1,50	8,55	72	125
3340237061	6x1,50	9,25	85	145
3340237071	7x1,50	9,25	97	161
3340237081	8x1,50	10,75	111	196
3340237101	10x1,50	12,05	138	235
3340237121	12x1,50	12,45	163	271
3340237141	14x1,50	13,10	189	309
3340237161	16x1,50	13,80	214	347
3340237181	18x1,50	14,90	240	400
3340237191	19x1,50	14,90	252	416
3340237201	20x1,50	15,65	266	440
3340237241	24x1,50	17,30	318	516
3340237251	25x1,50	17,30	330	533

3340238021	2x2,50	7,95	50	93
3340238031	3x2,50	8,40	71	120
3340238041	4x2,50	9,20	93	151
3340238051	5x2,50	10,45	115	193
3340238061	6x2,50	11,30	137	228
3340238071	7x2,50	11,30	158	251
3340238081	8x2,50	12,70	180	292
3340238101	10x2,50	14,70	223	364
3340238121	12x2,50	15,20	266	421
3340238141	14x2,50	15,90	307	480
3340238161	16x2,50	16,80	350	540
3340238181	18x2,50	17,65	392	602
3340238191	19x2,50	17,65	412	629
3340238201	20x2,50	19,05	439	687
3340238241	24x2,50	21,10	525	806
3340238251	25x2,50	21,10	545	832