



CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded plain copper wires (tinned conductor on request)
Insulation	Polyethylen compound (EN 50290-2-23)
Screen	Al-Pes Tape (%100 covered)
Screen	Tinned copper wire braiding
Sheath	PVC compound, TM2 type (EN 50363-4-1)
Color	Transparent (Black, 2YSLCYK-J version available on request)

MAIN CHARACTERISTICS

Construction	Based on IEC 60502-1
General Requirements	VDE 0250-1
Guide to Use	VDE 0276-603, HD 603 S1
Electrical Tests	EN 50395
Non - electrical Tests	EN 50396
Conductor Resistance	IEC 60228, VDE 0295, BS 6360
Flame Retardant	IEC 60332-1-2

OPERATING CHARACTERISTICS

Rated Voltage	600 / 1000 V (U ₀ /U)
AC Test Voltage	4 kV
Working Temperature	-30°C to +70°C
Conductor Short-Circuit Temp.	160°C (Max. 5 sec)
Min. Installation Temp.	-5 °C
Min. Bending Radius	VDE 276-603, HD 603 S1 Part 4
Current Carrying Capacities	IEC 60364-5-52 Tab.B12

APPLICATIONS

These cables are used as motor power supply cables with frequency converters where there is electromagnetic interference exist. Generally used in industries like automotive, air conditioning, packing, chemical and food. They can be used in dry, wet, oily and damp places inside under medium mechanical stress.

ELECTROMAGNETIC
COMPATIBILITY

ENGINE CABLE



FLAME RETARDANT

Cross Section (mm ²)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (fixed installation) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x1,5	10,60	155	106	13,30
4x2,5	12,00	212	120	7,98
4x4	13,20	282	132	4,95
4x6	14,60	367	146	3,30
4x10	17,50	556	175	1,91
4x16	20,30	842	203	1,21
4x25	25,80	1313	258	0,780
4x35	28,30	1700	283	0,554
4x50	32,90	2337	329	0,386
4x70	38,70	3365	387	0,272
4x95	42,80	4255	428	0,206
4x120	47,80	5320	478	0,161
4x150	52,60	6385	526	0,129
4x185	58,50	7960	585	0,106
3x2,5+3x0,50	14,80	290	148	7,98
3x4+3x0,75	13,20	295	132	4,95
3x6+3x1	18,30	460	183	3,30
3x10+3x1,5	18,50	565	185	1,91
3x16+3x2,5	21,50	825	215	1,21
3x25+3x4	23,70	1100	237	0,780
3x35+3x6	26,00	1470	260	0,554
3x50+3x10	30,10	2055	301	0,386
3x70+3x10	34,70	2740	347	0,272
3x95+3x16	38,70	3530	387	0,206
3x120+3x16	43,00	4416	430	0,161
3x150+3x25	47,20	5560	472	0,129
3x185+3x35	52,60	6832	526	0,106
3x240+3x50	59,80	9100	598	0,0801