

UCHS

SIGNAL CONTROL CABLES

LIY(st)Y

GOOD EMC* CHARACTERISTIC / FLEXIBLE CABLE DESIGN / REDUCED OUTER DIAMETER / SMALL BENDING RADIUS / FLAME RETARDANT CHARACTERISTIC



APPLICATION

- As feeder cable for frequency controlled motors with electromagnetic interference
- Instrumentation and control engineering
- Industrial electronics
- Computers and office devices
- Indoor communication systems
- Indoor sound systems
- Security systems

CONSTRUCTION

1-Conductor	IEC 60228; DIN VDE 0295; EN 60228 CLASS-5 STRANDED ELECTROLYTIC BARE COPPER
2-Insulation	EN 50290-2-21 PVC COMPOUND
3-Colour Code	DIN 47100
4-Stranding	IN LAYERS WITH OPTIMUM PITCH
5-Wrapping	POLYESTER TAPE
6-Screen	TINNED COPPER DRAIN WIRE + AL-PES TAPE
7-Sheath	EN 50290-2-22 UV RESISTANCE, PVC COMPOUND
8-Sheath Colour	RAL 7035 GREY

TECHNICAL CHARACTERISTICS

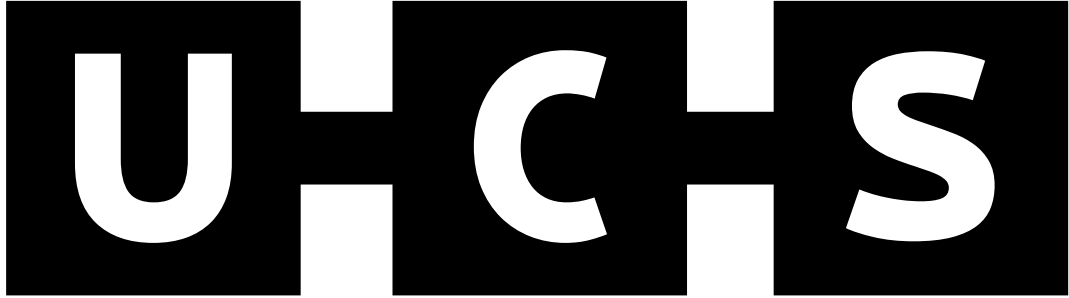
CONDUCTOR RESISTANCE	INSULATION RESISTANCE	MUTUAL CAPACITANCE	CURRENT CARRYING CAPACITY	IMPEDANCE	INDUCTANCE	OPERATING VOLTAGE	TEST VOLTAGE
mm ² Ω /km	M ΩxKm	mm ² pf /m	mm ² A	Ω	mH /km	V	V
0.22 85,0	0.22-0.34mm ² 200	0.22 110	0.22 2.5	78	0.67	0.22-0.34mm ² 250	0.22-0.34mm ² 1200
0.25 77,8	>=0.50mm ² 20	0.25 110	0.25 4.5			>=0.50mm ² 300/500	>=0.50mm ² 2000
0.34 56,0		0.34 110	0.34 6				
0.50 39,0		0.50 120	0.50 9				
0.75 26,0		0.75 120	0.75 12				
1.0 19,5		1.0 130	1.0 15				
1.5 13,3		1.5 140	1.5 18				
2.5 7,98		2.5 150	2.5 26				

BENDING RADIUS	TEMPERATURE RANGE	FLAME RETARDANCY TEST	EMC*
7,5x D mm	- 30°C~+70°C	IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2	ELECTROMAGNETIC COMPATIBILITY

NOTES

Flexible design provides the cable to be used in narrow spaces.
Cables are not suitable for outdoor use.
LIY(st)Y-OZ: Without green /yellow earthing core.
LIY(st)Y-JZ: With green/yellow earthing core.





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(CODE NO)	(NUMBER OF CORES)	(CROSS SECTION)	(APPX. OUTER DIAMETER mm)	(COPPER WEIGHT)	(APPX. WEIGHT)	(REEL LENGTH)
		mm²		kg/km	kg/km	m
	2	0.22	4,0	6,5	19,4	100/500/1000
3.540.3.2.2.0022.0.0003	3	0.22	4,2	8,6	23,3	100/500/1000
3.540.3.2.2.0022.0.0004	4	0.22	4,5	10,8	27,6	100/500/1000
3.540.3.2.2.0022.0.0005	5	0.22	5,0	12,9	33,2	100/500/1000
3.540.3.2.2.0022.0.0006	6	0.22	5,3	15,0	37,7	100/500/1000
3.540.3.2.2.0022.0.0007	7	0.22	5,3	17,1	41,0	100/500/1000
3.540.3.2.2.0022.0.0008	8	0.22	5,8	19,3	47,0	100/500/1000
3.540.3.2.2.0022.0.0009	9	0.22	6,3	21,4	53,2	100/500/1000
3.540.3.2.2.0022.0.0010	10	0.22	6,7	23,5	58,3	100/500/1000
3.540.3.2.2.0022.0.0012	12	0.22	6,9	27,8	65,7	100/500/1000
3.540.3.2.2.0022.0.0014	14	0.22	7,3	32,1	75,3	100/500/1000
3.540.3.2.2.0022.0.0016	16	0.22	7,8	36,3	85,2	100/500/1000
3.540.3.2.2.0022.0.0018	18	0.22	8,1	40,6	93,5	100/500/1000
3.540.3.2.2.0022.0.0019	19	0.22	8,1	42,7	96,8	100/500/1000
3.540.3.2.2.0022.0.0020	20	0.22	8,6	44,9	103,8	100/500/1000
3.540.3.2.2.0022.0.0021	21	0.22	8,6	47,0	107,1	100/500/1000
3.540.3.2.2.0022.0.0024	24	0.22	9,5	53,4	123,3	100/500/1000
3.540.3.2.2.0022.0.0025	25	0.22	9,5	55,5	126,6	100/500/1000
3.540.3.2.2.0022.0.0027	27	0.22	9,7	59,8	134,1	100/500/1000

