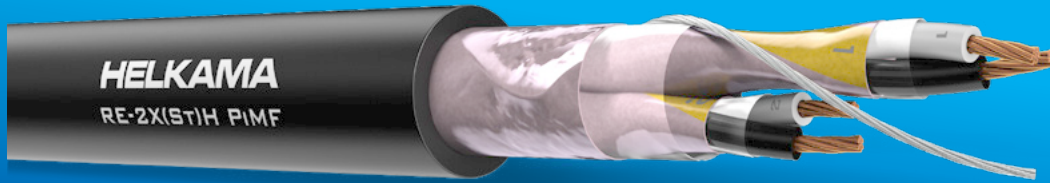


RE-2X(St)H PiMF

1 - 24 PAIRS
300 V



CONDUCTOR	Stranded copper conductor
INSULATION	XLPE
TWISTED PAIR	Two insulated cores twisted together
INDIVIDUAL SCREEN	Aluminium polyester tape and tinned copper drain wire
SCREEN	Aluminium polyester tape and tinned copper drain wire
SHEATH	LSZH Thermoplastic Standard colour black or blue
REFERENCE STANDARD	EN 50288-7



APPLICATION

Individually and collectively screened cable for instrumentation, control and communication applications. Suitable for direct burial use.

PHYSICAL PROPERTIES:

MIN. BENDING RADIUS	7.5 x Ø
CORE IDENTIFICATION	Colours white and black Numbers on white cores 1, 2...n - according to number of pairs

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	Fca
RATED VOLTAGE	300 V
UV RESISTANCE	UL1581 section 1200
MIN. INSTALLATION TEMPERATURE	-15 °C
OPERATING TEMPERATURE	-40 - 70 °C

ELECTRICAL PROPERTIES:

Conductor area	0.5	0.75	1.0	1.3	1.5	Unit mm ²
Conductor resistance, max.	39.2	24.6	18.1	14.2	12.6	ohm/km
Insulation resistance, min.	5000	5000	5000	5000	5000	Mohm x km
Mutual capacitance (800 Hz)						
Cable one pair, max.	120	120	120	120	120	nF/km
Cable 2 to 4 pairs, max.	100	100	100	100	100	nF/km
Cables > 4 pairs, max.	80	80	80	80	80	nF/km
L/R ratio, max.	14.5	25	33	41.5	47	μH/ohm
Inductance, max.	0.57	0.60	0.60	0.59	0.60	mH/km
Test voltage						
Conductor/conductor, min.	4000	4000	4000	4000	4000	VDC 30 s
Conductor/screen, min.	2000	2000	2000	2000	2000	VDC 30 s

RE-2X(St)H PiMF

No. of pairs	Nominal outer Ø	Weight kg/km	Nominal outer Ø	Weight kg/km	Nominal outer Ø	Weight kg/km	Nominal outer Ø	Weight kg/km	Nominal outer Ø	Weight kg/km
	0.5 mm ²		0.75 mm ²		1 mm ²		1.3 mm ²		1.5 mm ²	
1	6.0	50	6.0	55	6.5	65	7.0	70	7.5	80
2	8.5	85	9.0	100	9.5	115	10.5	130	11.5	160
4	10.0	130	10.5	155	11.5	195	12.5	225	14.0	260
8	13.0	230	14.5	290	15.5	345	17.0	415	18.5	470
12	16.0	330	18.0	420	18.5	495	20.0	590	22.5	700
16	18.5	440	20.0	535	21.5	650	23.5	785	26.0	910
20	20.5	530	22.5	655	24.0	810	26.0	960	29.0	1120
24	22.5	630	24.5	790	26.5	960	28.5	1140	32.0	1345

Technical data of triples, other conductor dimensions and number of pairs will be stated on request.