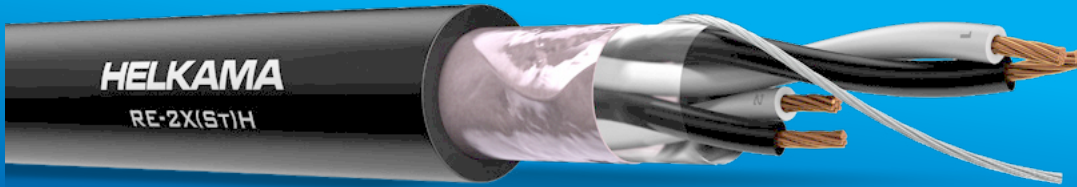


# RE-2X(St)H

1 - 24 PAIRS

300 V



<b>CONDUCTOR</b>	Stranded copper conductor
<b>INSULATION</b>	XLPE
<b>TWISTED PAIR</b>	Two insulated cores twisted together
<b>STRANDING</b>	Tinned copper drain wire under the screen
<b>SCREEN</b>	Aluminium polyester tape and tinned copper drain wire
<b>SHEATH</b>	LSZH Thermoplastic Standard colour black or blue
<b>REFERENCE STANDARD</b>	EN 50288-7



## APPLICATION

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

### PHYSICAL PROPERTIES:

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

### MAIN CHARACTERISTICS:

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

**ELECTRICAL PROPERTIES:**

<b>Conductor area</b>	<b>0.5</b>	<b>0.75</b>	<b>1.0</b>	<b>1.3</b>	<b>1.5</b>	<b>Unit mm<sup>2</sup></b>
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
<b>Mutual capacitance (800 Hz)</b>						
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
<b>Test voltage</b>						
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**

<b>No. of pairs</b>	<b>Nominal outer Ø</b>		<b>Weight kg/km</b>		<b>Nominal outer Ø</b>		<b>Weight kg/km</b>		<b>Nominal outer Ø</b>		<b>Weight kg/km</b>	
	<b>0.5 mm<sup>2</sup></b>		<b>0.75 mm<sup>2</sup></b>		<b>1 mm<sup>2</sup></b>		<b>1.3 mm<sup>2</sup></b>		<b>1.5 mm<sup>2</sup></b>			
1	5.5	40	6.0	50	6.5	55	6.5	65	7.5	75		
2	8.0	65	8.5	80	9.5	100	10.0	115	11.0	130		
3	8.5	80	9.5	105	10.0	130	10.5	145	11.5	170		
4	9.0	95	10.0	125	11.0	155	11.5	185	13.5	225		
8	12.0	165	13.5	225	14.5	285	15.5	340	17.0	400		
12	14.5	245	16.0	320	17.0	410	19.5	500	20.5	575		
16	16.5	315	18.0	405	19.5	530	22.0	635	23.5	745		
20	18.0	375	20.0	500	21.5	645	24.5	785	26.5	935		
24	19.5	445	21.5	590	23.5	765	27.0	945	28.5	1105		