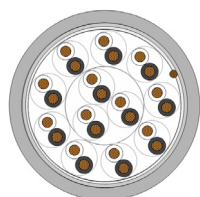
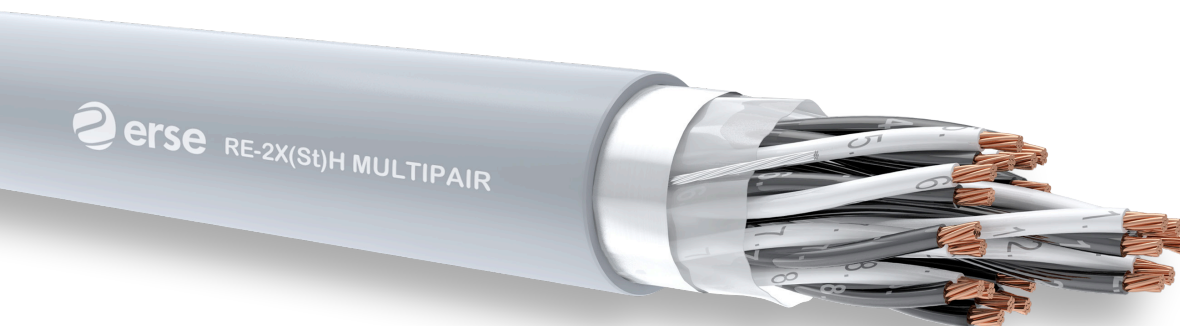


# RE-2X(St) H (MULTIPAIR)

CU/XLPE/OSCR/LSZH



VERY GOOD EMC\* CHARACTERISTICS /  
FLAME RETARDANT AND HYDROCARBON RESISTANT /  
SMALL BENDING RADIUS / LOW SMOKE EMISSION /  
WITHOUT POISONED AND CORROSIVE GASSES



## CONSTRUCTION

- 1 - Conductor** IEC 60228 / DIN VDE 0295 / EN 60228
- 2 - Insulation** EN 50290-2-29 XLPE COMPOUND
- 3 - Colour Code** BS 5308-1 OR BLACK-WHITE  
EACH PAIR NUMBERED  
PAIRWISE, PAIRS IN LAYERS
- 4 - Stranding** PES TAPE
- 5 - Wrapping** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 6 - Overall Screen** EN 50290-2-27 LSZH COMPOUND
- 7 - Sheath** RAL 5015\* BLUE; RAL 9005\* BLACK  
OR RAL 7001\* GREY
- 8 - Sheath Colour**

## APPLICATION

-Indoor environments intensely populated by people where there is electromagnetic interference.

1. Instrumentation and control engineering analog and digital signal transmission
2. Petroleum refineries
3. Petrochemistry industry
4. Power plants
5. Natural gas pump stations
6. Dry-moist and wet places, at indoor
7. Gas Stations
8. Water Conveyance Systems

## NOTES

**EMC\*:** Electromagnetic compatibility  
**Ral 5015 blue sheath\*:** At ex-proof connections in explosive and in flammable environments, intrinsically safe  
**Ral 9005 black sheath\*:** Places where UV resistance is required  
**Ral 7001 grey sheath\*:** Inside of buildings

## TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm <sup>2</sup> Ω/km	MΩxKm	mm <sup>2</sup> pF/m		
0,50 36		0,50 65		IEC 60332-3-24
0,75 24,5		0,75 65	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 65	(FIXED LAYING)	EN 60332-3-24
1,3 13,9		1,3 75		BS EN 60332-3-24
1,5 12,1		1,5 75		

L/R(RATIO) (MAX)	CURRENT LOAD(25°C)	OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm <sup>2</sup> μH/Ω	mm <sup>2</sup> A			
0,50 25	0,50 6,0		Cr./Cr.=2000 V	
0,75 25	0,75 13	300/500 V.	Cr./Scrm.=2000 V	7,5 X Cable Ø
1,0 25	1,0 16			
1,3 40	1,3 18			
1,5 40	1,5 20			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1
EN 61034-2	EN 50267-2-3	EN 50267-2-1
BS EN 61034-2	BS EN 50267-2-3	BS EN 50267-2-1

## DESIGN STANDARDS

PAS 5308-1  
EN 50288-7

**RE-2X(St) H (MULTIPAIR)**

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CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
380350010	1 x 2 x 0,50	5,60	14	44	500/1000
380350020	2 x 2 x 0,50	8,00	23	59	500/1000
380350040	4 x 2 x 0,50	9,40	42	98	500/1000
380350060	6 x 2 x 0,50	11,30	60	154	500/1000
380350080	8 x 2 x 0,50	12,40	78	177	500/1000
380350100	10 x 2 x 0,50	14,10	97	219	500/1000
380350120	12 x 2 x 0,50	14,40	115	248	500/1000
380350160	16 x 2 x 0,50	16,50	152	336	500/1000
380350200	20 x 2 x 0,50	18,40	189	400	500/1000
380350240	24 x 2 x 0,50	20,00	225	475	500/1000
380375010	1 x 2 x 0,75	6,00	19	49	500/1000
380375020	2 x 2 x 0,75	8,70	33	78	500/1000
380375040	4 x 2 x 0,75	10,00	60	117	500/1000
380375060	6 x 2 x 0,75	12,20	88	203	500/1000
380375080	8 x 2 x 0,75	13,70	117	231	500/1000
380375100	10 x 2 x 0,75	15,40	144	284	500/1000
380375120	12 x 2 x 0,75	15,80	173	331	500/1000
380375160	16 x 2 x 0,75	18,00	229	439	500/1000
380375200	20 x 2 x 0,75	20,30	285	521	500/1000
380375240	24 x 2 x 0,75	22,10	340	635	500/1000
380301010	1 x 2 x 1	6,40	23	57	500/1000
380301020	2 x 2 x 1	9,40	41	98	500/1000
380301040	4 x 2 x 1	11,00	77	159	500/1000
380301060	6 x 2 x 1	13,40	113	236	500/1000
380301080	8 x 2 x 1	14,80	149	300	500/1000
380301100	10 x 2 x 1	16,90	185	370	500/1000
380301120	12 x 2 x 1	17,20	221	422	500/1000
380301160	16 x 2 x 1	20,00	293	581	500/1000
380301200	20 x 2 x 1	22,20	388	680	500/1000
380301240	24 x 2 x 1	24,00	463	795	500/1000
380313010	1 x 2 x 1,3	6,80	29	88	500/1000
380313020	2 x 2 x 1,3	10,00	53	122	500/1000
380313040	4 x 2 x 1,3	11,90	101	188	500/1000
380313060	6 x 2 x 1,3	14,50	149	303	500/1000
380313080	8 x 2 x 1,3	15,90	197	355	500/1000
380313100	10 x 2 x 1,3	18,10	245	443	500/1000
380313120	12 x 2 x 1,3	18,40	293	508	500/1000
380313160	16 x 2 x 1,3	21,20	389	674	500/1000
380313200	20 x 2 x 1,3	24,00	485	800	500/1000
380313240	24 x 2 x 1,3	26,10	581	980	500/1000
380315010	1 x 2 x 1,5	7,00	33	72	500/1000
380315020	2 x 2 x 1,5	10,30	61	130	500/1000
380315040	4 x 2 x 1,5	12,40	117	210	500/1000
380315060	6 x 2 x 1,5	15,40	173	336	500/1000
380315080	8 x 2 x 1,5	16,90	229	406	500/1000
380315100	10 x 2 x 1,5	19,20	285	502	500/1000
380315120	12 x 2 x 1,5	20,00	341	581	500/1000
380315160	16 x 2 x 1,5	22,20	453	762	500/1000
380315200	20 x 2 x 1,5	25,90	565	934	500/1000
380315240	24 x 2 x 1,5	29,00	677	1125	500/1000