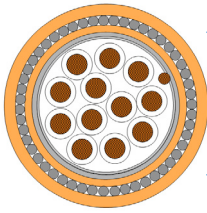
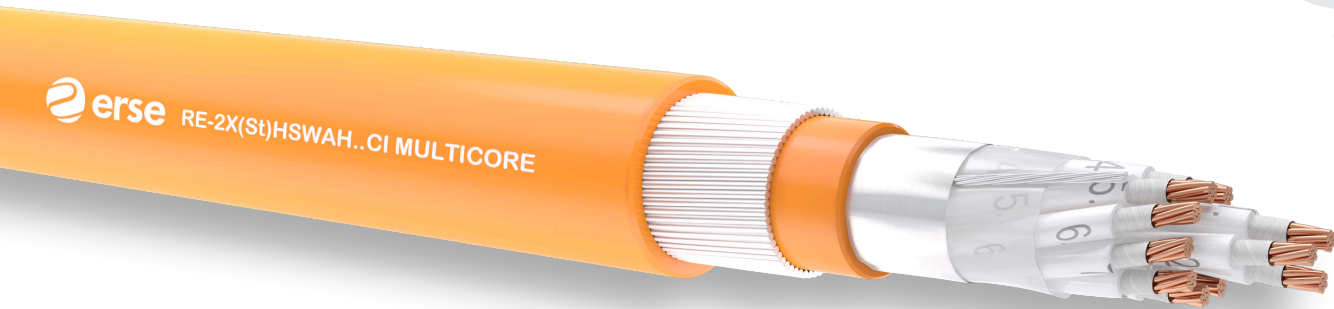


RE-2X(St)HSAH..CI (MULTICORE)

CU/MGT+XLPE/OSCR/LSZH/SWA/LZSH..CI



VERY GOOD EMC* CHARACTERISTICS / FIRE RESISTANT 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** MICA TAPE+EN 50290-2-29 XLPE COMPOUND
- 3 - Colour Code** WHITE INSULATED CORES
WITH BLACK NUMBER IMPRINTED
- 4 - Stranding** IN LAYERS OF OPTIMUM PITCH
- 5 - Wrapping** PES TAPE
- 6 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 7 - Inner Sheath** EN 50290-2-27 LZSH COMPOUND
- 8 - Armour** GALVANIZED ROUND STEEL WIRES
- 9 - Sheath** EN 50290-2-27 LZSH COMPOUND
- 10 - Sheath Colour** RAL 5015* BLUE; RAL 9005* BLACK
OR RAL 2003* ORANGE; RAL 3000* RED

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. Indoors and outdoors, dry, damp and wet environments
7. Gas Stations
8. Water Conveyance Systems
9. In applications where maintenance of circuit integrity in case of fire is required

NOTES

EMC*: Electromagnetic compatibility

CI*: Fire Resistant

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 2003 orange sheath*: Inside of buildings

TECHNICAL CHARACTERISTICS

CONDUCTOR RESISTANCE CLASS2(MAX)	INSULATION RESISTANCE (MIN)	MUTUAL CAPACITY (MAX)	TEMPERATURE RANGE	FLAME PROPAGATION
mm ² Ω/km	MΩxKm	mm ² pF/m		
0,50 36		0,50 100		IEC 60332-3-24
0,75 24,5		0,75 100	- 30°C-+90°C	VDE0482-332-3-24
1,0 18,1	5000	1,0 100	(FIXED LAYING)	EN 60332-3-24
1,5 12,1		1,5 100		BS EN 60332-3-24
2,5 7,41		2,5 100		

L/R(RATIO) (MAX)	CURRENT LOAD(25°C)	OPERATING VOLTAGE	TEST VOLTAGE	BENDING RADIUS
mm ² μH/Ω	mm ² 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	10 X Cable Ø
1,0 25	1,0 16			
1,5 40	1,5 20			
2,5 60	2,5 25			

SMOKE DENSITY	TEST ON CORROSIVENESS OF COMBUSTION GASES	HALOGEN FREE TEST	FIRE RESISTANT TEST
IEC 61034-2	IEC 60754-2	IEC 60754-1	IEC 60331-21
VDE 0482-1034-2	VDE 0482-267-2-3	VDE 0482-267-2-1	IEC 60331-23
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)HSWAH..CI (MULTICORE)**CU/MGT+XLPE/OSCR/LSZH/SWA/LZSH..CI**

CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
381450020	2 x 0,50	14	5,80	10,40	205	500/1000
381450030	3 x 0,50	18	6,00	10,60	217	500/1000
381450040	4 x 0,50	23	6,50	11,10	234	500/1000
381450050	5 x 0,50	28	7,10	11,90	266	500/1000
381450060	6 x 0,50	32	7,60	12,40	291	500/1000
381450070	7 x 0,50	37	7,60	12,40	300	500/1000
381450100	10 x 0,50	51	9,40	14,20	367	500/1000
381450120	12 x 0,50	92	9,60	14,40	394	500/1000
381450190	19 x 0,50	115	11,20	16,20	500	500/1000
381450240	24 x 0,50	144	13,00	18,00	591	500/1000
381475020	2 x 0,75	19	6,20	10,80	218	500/1000
381475030	3 x 0,75	26	6,40	11,00	235	500/1000
381475040	4 x 0,75	33	6,80	11,40	254	500/1000
381475050	5 x 0,75	40	7,50	12,30	296	500/1000
381475060	6 x 0,75	47	8,10	12,90	324	500/1000
381475070	7 x 0,75	54	8,10	12,90	333	500/1000
381475100	10 x 0,75	75	10,10	14,90	420	500/1000
381475120	12 x 0,75	89	10,40	15,20	450	500/1000
381475190	19 x 0,75	138	12,10	17,10	580	500/1000
381475240	24 x 0,75	173	14,00	19,00	680	500/1000
381401020	2 x 1	23	6,60	11,40	238	500/1000
381401030	3 x 1	32	6,90	11,50	258	500/1000
381401040	4 x 1	41	7,40	12,20	289	500/1000
381401050	5 x 1	50	7,60	12,40	310	500/1000
381401060	6 x 1	60	8,70	13,50	359	500/1000
381401070	7 x 1	69	8,70	13,50	368	500/1000
381401100	10 x 1	97	10,90	15,90	480	500/1000
381401120	12 x 1	115	11,30	16,30	519	500/1000
381401190	19 x 1	180	13,20	18,20	660	500/1000
381401240	24 x 1	225	15,30	21,20	911	500/1000
381415020	2 x 1,5	33	7,20	12,00	271	500/1000
381415030	3 x 1,5	47	7,60	12,40	298	500/1000
381415040	4 x 1,5	61	8,20	13,00	334	500/1000
381415050	5 x 1,5	76	9,00	13,80	380	500/1000
381415060	6 x 1,5	90	9,70	14,50	424	500/1000
381415070	7 x 1,5	104	9,70	14,50	438	500/1000
381415100	10 x 1,5	147	12,20	17,20	570	500/1000
381415120	12 x 1,5	175	12,60	17,60	621	500/1000
381415190	19 x 1,5	274	14,70	19,90	820	500/1000
381415240	24 x 1,5	345	17,20	23,30	1119	500/1000
381425020	2 x 2,5	49	8,50	13,30	326	500/1000
381425030	3 x 2,5	71	8,80	13,60	371	500/1000
381425040	4 x 2,5	93	9,60	14,40	417	500/1000
381425050	5 x 2,5	115	10,60	15,60	488	500/1000
381425060	6 x 2,5	137	11,50	16,50	548	500/1000
381425070	7 x 2,5	159	11,50	16,50	568	500/1000
381425100	10 x 2,5	225	14,60	19,80	758	500/1000
381425120	12 x 2,5	267	15,00	20,20	825	500/1000
381425190	19 x 2,5	423	17,70	23,80	1305	500/1000
381425240	24 x 2,5	533	20,70	27,00	1514	500/1000