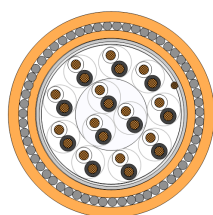
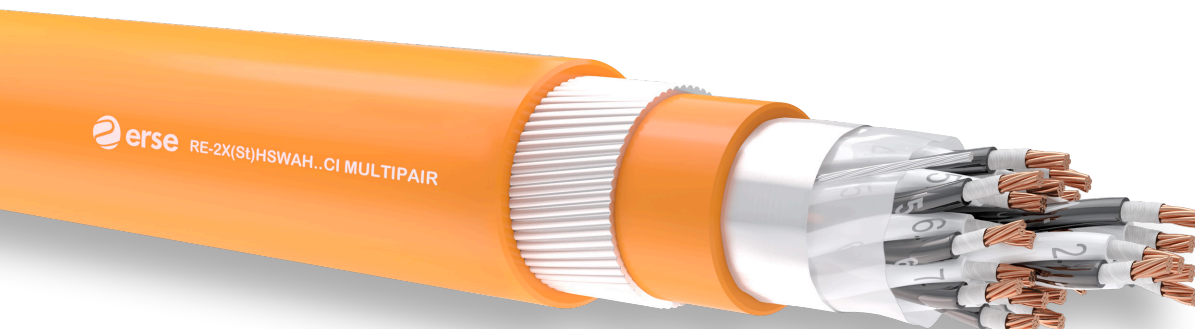


RE-2X(St)HSAH..CI (MULTIPAIR)

CU/MGT+XLPE/OSCR/LSZH/ SWA/LSZH..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** BS 5308-1 OR BLACK-WHITE
EACH PAIR NUMBERED
- 4 - Stranding** PAIRWISE, PAIRS IN LAYERS
- 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 LSZH COMPOUND
- 10 - Sheath Colour** RAL 5015* BLUE; RAL 9005* BLACK;
RAL 2003* ORANGE OR
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 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 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			
1,3 40	1,3 18			
1,5 40	1,5 20			

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 (MULTIPAIR)**CU/MGT+XLPE/OSCR/LSZH/ SWA/LSZH..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)
381550010	1 x 2 x 0,50	14	5,80	10,60	206	500/1000
381550020	2 x 2 x 0,50	23	8,00	12,80	289	500/1000
381550040	4 x 2 x 0,50	42	9,20	14,00	353	500/1000
381550060	6 x 2 x 0,50	60	11,00	16,00	452	500/1000
381550080	8 x 2 x 0,50	78	12,10	17,20	506	500/1000
381550100	10 x 2 x 0,50	97	13,60	18,60	580	500/1000
381550120	12 x 2 x 0,50	115	13,90	18,90	616	500/1000
381550160	16 x 2 x 0,50	152	15,80	21,70	860	500/1000
381550200	20 x 2 x 0,50	189	17,70	23,80	998	500/1000
381550240	24 x 2 x 0,50	225	19,10	25,20	1115	500/1000
381575010	1 x 2 x 0,75	19	6,20	10,80	222	500/1000
381575020	2 x 2 x 0,75	33	8,60	13,40	321	500/1000
381575040	4 x 2 x 0,75	60	10,00	14,80	400	500/1000
381575060	6 x 2 x 0,75	88	12,00	17,00	514	500/1000
381575080	8 x 2 x 0,75	117	13,20	18,20	582	500/1000
381575100	10 x 2 x 0,75	144	14,90	20,10	683	500/1000
381575120	12 x 2 x 0,75	173	15,20	21,10	841	500/1000
381575160	16 x 2 x 0,75	229	17,30	23,40	1013	500/1000
381575200	20 x 2 x 0,75	285	19,40	25,50	1165	500/1000
381575240	24 x 2 x 0,75	340	21,00	27,30	1320	500/1000
381501010	1 x 2 x 1	23	6,60	11,40	239	500/1000
381501020	2 x 2 x 1	41	9,20	14,00	353	500/1000
381501040	4 x 2 x 1	77	10,80	15,90	450	500/1000
381501060	6 x 2 x 1	113	13,00	18,00	585	500/1000
381501080	8 x 2 x 1	149	14,30	19,50	668	500/1000
381501100	10 x 2 x 1	185	16,20	22,10	891	500/1000
381501120	12 x 2 x 1	221	16,50	22,40	957	500/1000
381501160	16 x 2 x 1	293	19,10	25,20	1185	500/1000
381501200	20 x 2 x 1	395	21,10	27,40	1368	500/1000
381501240	24 x 2 x 1	462	22,90	29,20	1538	500/1000
381513010	1 x 2 x 1,3	29	7,00	11,80	259	500/1000
381513020	2 x 2 x 1,3	53	9,90	14,70	384	500/1000
381513040	4 x 2 x 1,3	101	11,60	16,60	500	500/1000
381513060	6 x 2 x 1,3	149	14,00	19,00	652	500/1000
381513080	8 x 2 x 1,3	197	15,40	21,30	860	500/1000
381513100	10 x 2 x 1,3	245	17,40	23,50	1020	500/1000
381513120	12 x 2 x 1,3	293	17,80	23,90	1147	500/1000
381513160	16 x 2 x 1,3	389	20,30	26,40	1327	500/1000
381513200	20 x 2 x 1,3	485	22,90	29,20	1562	500/1000
381513240	24 x 2 x 1,3	581	24,80	31,30	1695	500/1000
381515010	1 x 2 x 1,5	33	7,20	12,00	272	500/1000
381515020	2 x 2 x 1,5	61	10,20	15,00	402	500/1000
381515040	4 x 2 x 1,5	117	12,00	17,00	528	500/1000
381515060	6 x 2 x 1,5	173	15,00	20,10	721	500/1000
381515080	8 x 2 x 1,5	229	16,20	22,10	926	500/1000
381515100	10 x 2 x 1,5	285	18,30	24,40	1087	500/1000
381515120	12 x 2 x 1,5	341	19,10	25,20	1201	500/1000
381515160	16 x 2 x 1,5	453	21,10	27,40	1446	500/1000
381515200	20 x 2 x 1,5	565	24,50	31,00	1725	500/1000
381515240	24 x 2 x 1,5	677	27,60	35,00	2211	500/1000