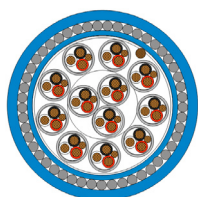
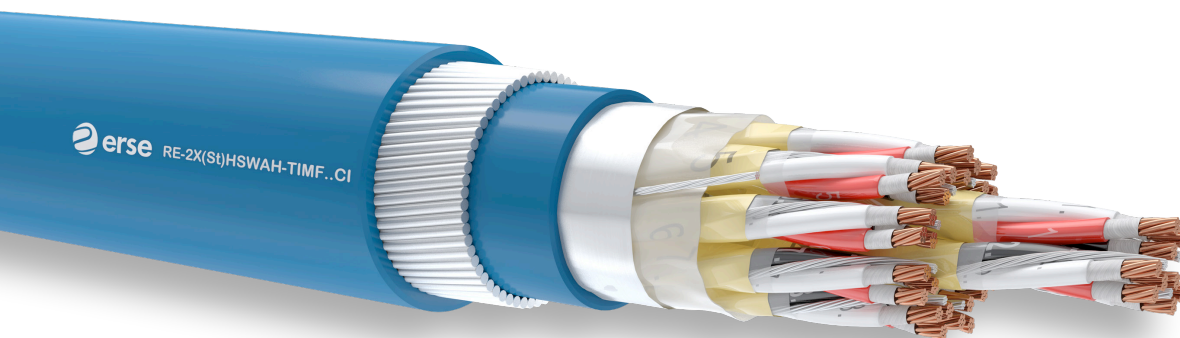


RE-2X(St)HSWAH-TIMF..CI

CU/MGT+XLPE/TSCR/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-RED EACH TRIAD NUMBERED IMPRINTED
- 4 - Individual Screen** PES TAPE; TINNED DRAIN WIRE; AL-PES TAPE
- 5 - Stranding** SCREENED TRIPLES IN LAYERS
- 6 - Wrapping** PES TAPE
- 7 - Overall Screen** TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 8 - Inner Sheath** EN 50290-2-27 LSZH COMPOUND
- 9 - Armour** GALVANIZED ROUND STEEL WIRES
- 10 - Sheath** EN 50290-2-27 LSZH COMPOUND
- 11 - 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. Dry-moist and wet places, at indoor
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
1,3 13,9		1,3 100		BS EN 60332-3-24
1,5 12,1		1,5 100		

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			
1,3 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-TIMF..CI**CU/MGT+XLPE/TSCR/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)
381750020	2 x 3 x 0,50	42	10,40	15,00	380	500/1000
381750040	4 x 3 x 0,50	79	12,00	16,80	485	500/1000
381750060	6 x 3 x 0,50	116	14,30	19,10	620	500/1000
381750080	8 x 3 x 0,50	152	15,50	21,20	815	500/1000
381750100	10 x 3 x 0,50	189	18,30	24,20	990	500/1000
381750120	12 x 3 x 0,50	225	18,90	24,80	1065	500/1000
381750160	16 x 3 x 0,50	299	21,00	27,40	1290	500/1000
381750200	20 x 3 x 0,50	373	23,40	29,50	1485	500/1000
381750240	24 x 3 x 0,50	447	26,20	33,00	1890	500/1000
381775020	2 x 3 x 0,75	55	11,10	15,90	425	500/1000
381775040	4 x 3 x 0,75	106	12,90	17,70	545	500/1000
381775060	6 x 3 x 0,75	157	15,50	21,20	830	500/1000
381775080	8 x 3 x 0,75	207	16,80	22,50	940	500/1000
381775100	10 x 3 x 0,75	258	19,80	25,70	1160	500/1000
381775120	12 x 3 x 0,75	308	20,50	26,40	1260	500/1000
381775160	16 x 3 x 0,75	410	22,80	28,90	1500	500/1000
381775200	20 x 3 x 0,75	511	25,40	31,70	1760	500/1000
381775240	24 x 3 x 0,75	611	28,80	36,00	2300	500/1000
381701020	2 x 3 x 1	70	11,90	16,70	465	500/1000
381701040	4 x 3 x 1	135	13,70	18,70	610	500/1000
381701060	6 x 3 x 1	200	16,60	22,30	925	500/1000
381701080	8 x 3 x 1	266	18,00	23,90	1060	500/1000
381701100	10 x 3 x 1	331	20,70	27,40	1300	500/1000
381701120	12 x 3 x 1	396	22,00	28,10	1400	500/1000
381701160	16 x 3 x 1	526	24,80	31,10	1710	500/1000
381701200	20 x 3 x 1	658	27,40	34,40	2200	500/1000
381701240	24 x 3 x 1	788	31,10	38,50	2610	500/1000
381713020	2 x 3 x 1,3	86	12,80	17,60	515	500/1000
381713040	4 x 3 x 1,3	168	15,00	20,00	700	500/1000
381713060	6 x 3 x 1,3	249	18,00	23,90	1055	500/1000
381713080	8 x 3 x 1,3	331	19,60	25,50	1200	500/1000
381713100	10 x 3 x 1,3	414	23,20	29,30	1500	500/1000
381713120	12 x 3 x 1,3	495	24,00	30,10	1610	500/1000
381713160	16 x 3 x 1,3	658	26,80	33,80	2180	500/1000
381713200	20 x 3 x 1,3	823	30,30	37,50	2600	500/1000
381713240	24 x 3 x 1,3	986	33,90	41,30	3030	500/1000
381715020	2 x 3 x 1,5	98	13,20	18,00	545	500/1000
381715040	4 x 3 x 1,5	191	15,40	20,40	735	500/1000
381715060	6 x 3 x 1,5	284	18,60	24,50	1115	500/1000
381715080	8 x 3 x 1,5	377	20,20	26,10	1280	500/1000
381715100	10 x 3 x 1,5	471	23,90	30,00	1570	500/1000
381715120	13 x 3 x 1,5	564	24,80	31,10	1750	500/1000
381715160	16 x 3 x 1,5	750	28,10	35,30	2370	500/1000
381715200	20 x 3 x 1,5	937	31,30	38,70	2740	500/1000
381715240	24 x 3 x 1,5	1123	35,00	42,60	3220	500/1000