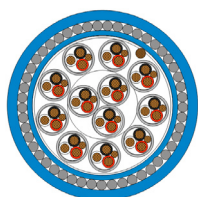
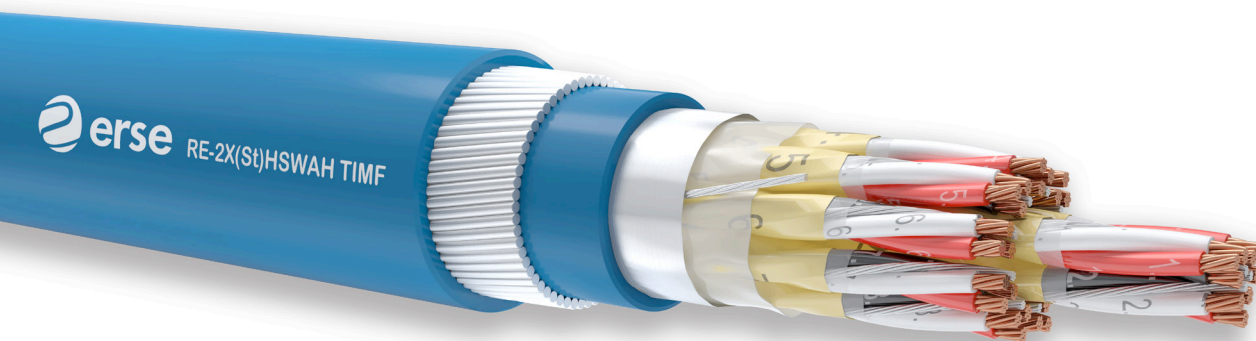


# RE-2X(St)HSAWAH-TIMF

CU/XLPE/TSCR/OSCR/LSZH/SWA/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-RED  
EACH PAIR NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED COPPER DRAIN WIRE;  
AL-PES TAPE
- 5 - Stranding** SCREENE 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 7001\* GREY

## 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
- FI\***: Flame retardant outer sheath
- 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		0,50 100		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 <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	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
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)HSWAH-TIMF****CU/XLPE/TSCR/OSCR/LSZH/SWA/LSZH**

CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	COPPER WEIGHT (kg/km)	INNER SHEATH DIAMETER (mm)	OVERALL DIAMETER (mm)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
383650020	2 x 3 x 0,50	42	10,30	15,00	426	500/1000
383650040	4 x 3 x 0,50	79	12,00	16,80	532	500/1000
383650060	6 x 3 x 0,50	116	14,20	19,10	674	500/1000
383650080	8 x 3 x 0,50	152	15,40	21,20	862	500/1000
383650100	10 x 3 x 0,50	189	18,20	24,20	1038	500/1000
383650120	12 x 3 x 0,50	225	18,80	24,80	1112	500/1000
383650160	16 x 3 x 0,50	299	20,90	27,40	1336	500/1000
383650200	20 x 3 x 0,50	373	23,30	29,50	1533	500/1000
383650240	24 x 3 x 0,50	447	26,00	33,00	1944	500/1000
383675020	2 x 3 x 0,75	55	11,00	15,90	454	500/1000
383675040	4 x 3 x 0,75	106	12,80	17,70	584	500/1000
383675060	6 x 3 x 0,75	157	15,40	21,20	868	500/1000
383675080	8 x 3 x 0,75	207	16,70	22,50	974	500/1000
383675100	10 x 3 x 0,75	258	19,70	25,70	1160	500/1000
383675120	12 x 3 x 0,75	308	20,40	26,40	1260	500/1000
383675160	16 x 3 x 0,75	410	22,70	28,90	1500	500/1000
383675200	20 x 3 x 0,75	511	25,30	31,70	1760	500/1000
383675240	24 x 3 x 0,75	611	28,70	36,00	2300	500/1000
383601020	2 x 3 x 1	70	11,80	16,70	491	500/1000
383601040	4 x 3 x 1	135	13,60	18,70	637	500/1000
383601060	6 x 3 x 1	200	16,50	22,30	967	500/1000
383601080	8 x 3 x 1	266	17,90	23,90	1106	500/1000
383601100	10 x 3 x 1	331	21,20	27,40	1346	500/1000
383601120	12 x 3 x 1	396	22,00	28,10	1452	500/1000
383601160	16 x 3 x 1	526	24,70	31,10	1779	500/1000
383601200	20 x 3 x 1	658	27,30	34,40	2236	500/1000
383601240	24 x 3 x 1	788	31,00	38,50	2664	500/1000
383613020	2 x 3 x 1,3	86	12,70	17,60	550	500/1000
383613040	4 x 3 x 1,3	168	14,90	20,00	700	500/1000
383613060	6 x 3 x 1,3	249	18,00	23,90	1093	500/1000
383613080	8 x 3 x 1,3	331	19,60	25,50	1247	500/1000
383613100	10 x 3 x 1,3	414	23,20	29,30	1500	500/1000
383613120	12 x 3 x 1,3	495	24,00	30,10	1650	500/1000
383613160	16 x 3 x 1,3	658	26,80	33,80	2180	500/1000
383613200	20 x 3 x 1,3	823	30,30	37,50	2615	500/1000
383613240	24 x 3 x 1,3	986	33,90	41,30	3030	500/1000
383615020	2 x 3 x 1,5	98	13,20	18,00	568	500/1000
383615040	4 x 3 x 1,5	191	15,40	20,40	762	500/1000
383615060	6 x 3 x 1,5	284	18,60	24,50	1175	500/1000
383615080	8 x 3 x 1,5	377	20,20	26,10	1336	500/1000
383615100	10 x 3 x 1,5	471	23,90	30,00	1612	500/1000
383615120	12 x 3 x 1,5	564	24,80	31,10	1750	500/1000
383615160	16 x 3 x 1,5	750	28,10	35,30	2419	500/1000
383615200	20 x 3 x 1,5	937	31,30	38,70	2818	500/1000
383615240	24 x 3 x 1,5	1123	35,00	42,60	3279	500/1000