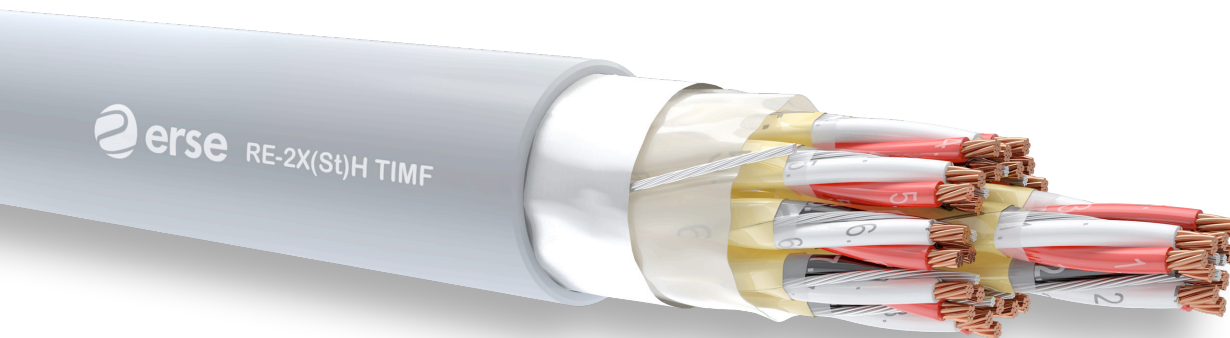


RE-2X(St)H-TIMF

CU/XLPE/TSCR/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-RED
EACH TRIAD NUMBERED
- 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 - Sheath** EN 50290-2-27 LSZH COMPOUND
- 9 - 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
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 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	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

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CODE NR.	NUMBER OF CORE CROSS SECTION (mm ²)	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
380150020	2 x 3 x 0,50	10,10	42	122	500/1000
380150040	4 x 3 x 0,50	12,00	79	200	500/1000
380150060	6 x 3 x 0,50	14,50	116	280	500/1000
380150080	8 x 3 x 0,50	15,70	152	344	500/1000
380150100	10 x 3 x 0,50	18,70	189	426	500/1000
380150120	12 x 3 x 0,50	19,20	225	478	500/1000
380150160	16 x 3 x 0,50	21,50	299	620	500/1000
380150200	20 x 3 x 0,50	24,20	373	738	500/1000
380150240	24 x 3 x 0,50	27,50	447	900	500/1000
380175020	2 x 3 x 0,75	10,80	55	140	500/1000
380175040	4 x 3 x 0,75	12,80	106	228	500/1000
380175060	6 x 3 x 0,75	15,60	157	346	500/1000
380175080	8 x 3 x 0,75	17,10	207	422	500/1000
380175100	10 x 3 x 0,75	20,30	258	510	500/1000
380175120	12 x 3 x 0,75	21,00	308	600	500/1000
380175160	16 x 3 x 0,75	23,50	410	782	500/1000
380175200	20 x 3 x 0,75	26,30	511	932	500/1000
380175240	24 x 3 x 0,75	29,50	611	1120	500/1000
380101020	2 x 3 x 1	11,80	70	170	500/1000
380101040	4 x 3 x 1	13,80	135	276	500/1000
380101060	6 x 3 x 1	17,10	200	410	500/1000
380101080	8 x 3 x 1	18,30	266	496	500/1000
380101100	10 x 3 x 1	22,00	331	635	500/1000
380101120	12 x 3 x 1	22,80	396	732	500/1000
380101160	16 x 3 x 1	25,50	526	924	500/1000
380101200	20 x 3 x 1	28,50	658	1129	500/1000
380101240	24 x 3 x 1	32,00	788	1350	500/1000
380113020	2 x 3 x 1,3	12,70	86	200	500/1000
380113040	4 x 3 x 1,3	15,10	168	322	500/1000
380113060	6 x 3 x 1,3	18,30	249	486	500/1000
380113080	8 x 3 x 1,3	20,10	331	598	500/1000
380113100	10 x 3 x 1,3	24,00	414	751	500/1000
380113120	12 x 3 x 1,3	25,00	495	883	500/1000
380113160	16 x 3 x 1,3	28,00	658	1120	500/1000
380113200	20 x 3 x 1,3	31,20	823	1358	500/1000
380113240	24 x 3 x 1,3	35,00	986	1622	500/1000
380115020	2 x 3 x 1,5	13,20	98	220	500/1000
380115040	4 x 3 x 1,5	15,50	191	370	500/1000
380115060	6 x 3 x 1,5	19,00	284	524	500/1000
380115080	8 x 3 x 1,5	20,80	377	635	500/1000
380115100	10 x 3 x 1,5	24,80	471	807	500/1000
380115120	12 x 3 x 1,5	25,70	564	933	500/1000
380115160	16 x 3 x 1,5	28,80	750	1220	500/1000
380115200	20 x 3 x 1,5	32,20	937	1494	500/1000
380115240	24 x 3 x 1,5	36,40	1123	1804	500/1000