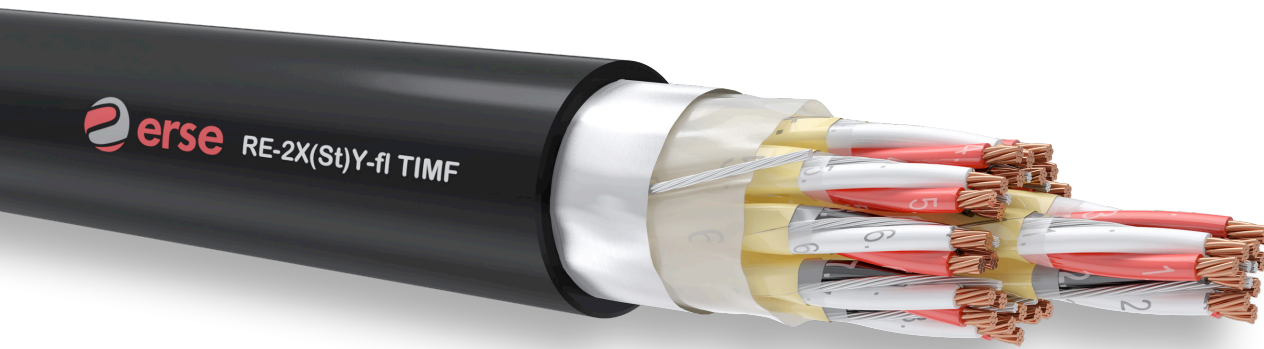


# RE-2X(St)Y-fl TIMF

CU/XLPE/TSCR/OSCR/PVC



VERY GOOD EMC\* CHARACTERISTICS / SMALL BENDING RADIUS  
FLAME RETARDANT AND HYDROCARBON RESISTANT



## 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 AND RED;  
EACH TRIAD NUMBERED
- 4 - Individual Screen** PES TAPE; TINNED COPPER 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 50290-2-22 PVC COMPOUND
- 9 - Sheath Colour** RAL 5015\* BLUE; RAL 9005\* BLACK  
OR RAL 7032\* GREY

## APPLICATION

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

## NOTES

- EMC\***: Electromagnetic compatibility
- Fl\***: Flame retardant outer sheath
- Yv\***: Reinforced sheath version available on request
- 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 7032 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	7,5 X Cable Ø
1,0 25	1.0 16			
1,3 40	1.3 18			
1,5 40	1.5 20			

## DESIGN STANDARDS

PAS 5308-1  
EN 50288-7

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CODE NR.	NUMBER OF CORE CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	COPPER WEIGHT (kg/km)	APPROX. WEIGHT (kg/km)	STANDART LENGTH (mt)
378350020	2 x 3 x 0,50	10,10	42	122	500/1000
378350040	4 x 3 x 0,50	12,00	79	190	500/1000
378350060	6 x 3 x 0,50	14,50	116	270	500/1000
378350080	8 x 3 x 0,50	15,70	152	330	500/1000
378350100	10 x 3 x 0,50	18,70	189	412	500/1000
378350120	12 x 3 x 0,50	19,20	225	456	500/1000
378350160	16 x 3 x 0,50	21,50	299	594	500/1000
378350200	20 x 3 x 0,50	24,20	373	726	500/1000
378350240	24 x 3 x 0,50	27,50	447	871	500/1000
378375020	2 x 3 x 0,75	10,80	55	140	500/1000
378375040	4 x 3 x 0,75	12,80	106	228	500/1000
378375060	6 x 3 x 0,75	15,60	157	332	500/1000
378375080	8 x 3 x 0,75	17,10	207	404	500/1000
378375100	10 x 3 x 0,75	20,30	258	511	500/1000
378375120	12 x 3 x 0,75	21,00	308	570	500/1000
378375160	16 x 3 x 0,75	23,50	410	743	500/1000
378375200	20 x 3 x 0,75	26,30	511	908	500/1000
378375240	24 x 3 x 0,75	29,50	611	1085	500/1000
378301020	2 x 3 x 1	11,80	70	170	500/1000
378301040	4 x 3 x 1	13,80	135	256	500/1000
378301060	6 x 3 x 1	17,00	200	405	500/1000
378301080	8 x 3 x 1	18,30	266	474	500/1000
378301100	10 x 3 x 1	22,00	331	604	500/1000
378301120	12 x 3 x 1	22,80	396	700	500/1000
378301160	16 x 3 x 1	25,50	526	911	500/1000
378301200	20 x 3 x 1	28,50	658	1123	500/1000
378301240	24 x 3 x 1	32,00	788	1331	500/1000
378313020	2 x 3 x 1,3	12,70	86	210	500/1000
378313040	4 x 3 x 1,3	15,10	168	320	500/1000
378313060	6 x 3 x 1,3	18,30	249	475	500/1000
378313080	8 x 3 x 1,3	20,10	331	570	500/1000
378313100	10 x 3 x 1,3	24,00	414	713	500/1000
378313120	12 x 3 x 1,3	25,00	495	837	500/1000
378313160	16 x 3 x 1,3	28,00	658	1095	500/1000
378313200	20 x 3 x 1,3	31,20	823	1340	500/1000
378313240	24 x 3 x 1,3	35,00	986	1600	500/1000
378315020	2 x 3 x 1,5	13,20	98	209	500/1000
378315040	4 x 3 x 1,5	15,50	191	340	500/1000
378315060	6 x 3 x 1,5	19,00	284	512	500/1000
378315080	8 x 3 x 1,5	20,80	377	655	500/1000
378315100	10 x 3 x 1,5	24,80	471	793	500/1000
378315120	12 x 3 x 1,5	25,70	564	920	500/1000
378315160	16 x 3 x 1,5	28,80	750	1200	500/1000
378315200	20 x 3 x 1,5	32,20	937	1475	500/1000
378315240	24 x 3 x 1,5	36,40	1123	1780	500/1000