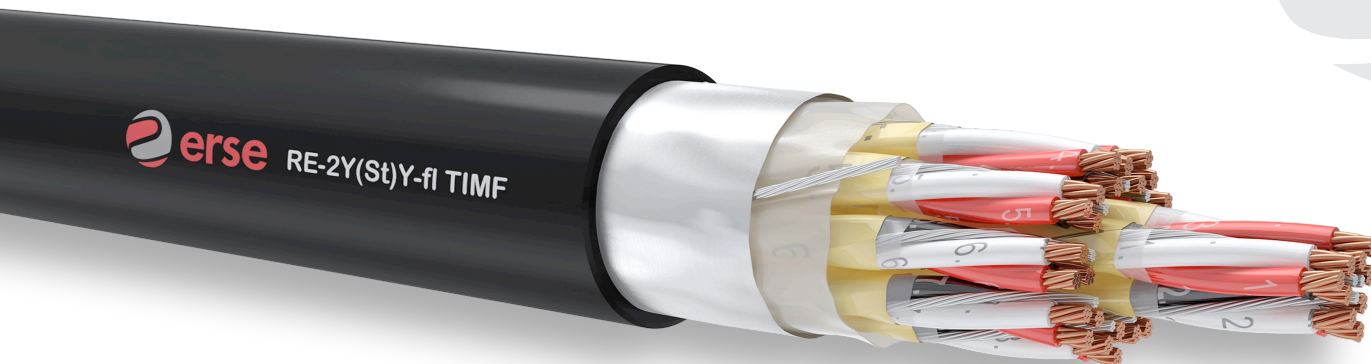


# RE-2Y(St)Y-fl TIMF

CU/PE/TSCR/OSCR/PVC



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



## CONSTRUCTION

- 1 - Conductor** IEC 60228 / DIN VDE 0295 / EN 60228
- 2 - Insulation** EN 50290-2-23 PE 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

## 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-+70°C      | VDE0482-332-3-24  |
| 1,0 18,1                         | 5000                        | 1,0 100               | (FIXED LAYING)    | EN 60332-3-24     |
| 1,3 13,9                         |                             | 1,30 100              |                   | 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 | 7,5X 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

## 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

**RE-2Y(St)Y-fi TIMF**

CU/PE/TSCR/OSCR/PVC

| 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) |
|-----------|---|-----------------------|-----------------------|------------------------|----------------------|
| 376550020 | 2 x 3 x 0,50                                    | 10,10                 | 42                    | 125                    | 500/1000             |
| 376550040 | 4 x 3 x 0,50                                    | 12,00                 | 79                    | 185                    | 500/1000             |
| 376550060 | 6 x 3 x 0,50                                    | 14,50                 | 116                   | 265                    | 500/1000             |
| 376550080 | 8 x 3 x 0,50                                    | 15,60                 | 152                   | 320                    | 500/1000             |
| 376550100 | 10 x 3 x 0,50                                   | 18,60                 | 189                   | 390                    | 500/1000             |
| 376550120 | 12 x 3 x 0,50                                   | 19,20                 | 225                   | 456                    | 500/1000             |
| 376550160 | 16 x 3 x 0,50                                   | 21,50                 | 299                   | 600                    | 500/1000             |
| 376550200 | 20 x 3 x 0,50                                   | 24,10                 | 373                   | 726                    | 500/1000             |
| 376550240 | 24 x 3 x 0,50                                   | 27,50                 | 447                   | 881                    | 500/1000             |
| 376575020 | 2 x 3 x 0,75                                    | 10,80                 | 55                    | 145                    | 500/1000             |
| 376575040 | 4 x 3 x 0,75                                    | 12,80                 | 106                   | 238                    | 500/1000             |
| 376575060 | 6 x 3 x 0,75                                    | 15,60                 | 157                   | 330                    | 500/1000             |
| 376575080 | 8 x 3 x 0,75                                    | 17,10                 | 207                   | 400                    | 500/1000             |
| 376575100 | 10 x 3 x 0,75                                   | 20,30                 | 258                   | 500                    | 500/1000             |
| 376575120 | 12 x 3 x 0,75                                   | 21,00                 | 308                   | 570                    | 500/1000             |
| 376575160 | 16 x 3 x 0,75                                   | 23,50                 | 410                   | 743                    | 500/1000             |
| 376575200 | 20 x 3 x 0,75                                   | 26,30                 | 511                   | 910                    | 500/1000             |
| 376575240 | 24 x 3 x 0,75                                   | 29,50                 | 611                   | 1095                   | 500/1000             |
| 376501020 | 2 x 3 x 1                                       | 11,80                 | 70                    | 176                    | 500/1000             |
| 376501040 | 4 x 3 x 1                                       | 13,80                 | 135                   | 247                    | 500/1000             |
| 376501060 | 6 x 3 x 1                                       | 17,00                 | 200                   | 415                    | 500/1000             |
| 376501080 | 8 x 3 x 1                                       | 18,30                 | 266                   | 474                    | 500/1000             |
| 376501100 | 10 x 3 x 1                                      | 22,00                 | 331                   | 604                    | 500/1000             |
| 376501120 | 12 x 3 x 1                                      | 22,80                 | 396                   | 700                    | 500/1000             |
| 376501160 | 16 x 3 x 1                                      | 25,50                 | 526                   | 915                    | 500/1000             |
| 376501200 | 20 x 3 x 1                                      | 28,50                 | 658                   | 1123                   | 500/1000             |
| 376501240 | 24 x 3 x 1                                      | 32,00                 | 788                   | 1341                   | 500/1000             |
| 376513020 | 2 x 3 x 1,3                                     | 12,70                 | 86                    | 205                    | 500/1000             |
| 376513040 | 4 x 3 x 1,3                                     | 15,10                 | 168                   | 320                    | 500/1000             |
| 376513060 | 6 x 3 x 1,3                                     | 18,30                 | 249                   | 464                    | 500/1000             |
| 376513080 | 8 x 3 x 1,3                                     | 20,10                 | 331                   | 570                    | 500/1000             |
| 376513100 | 10 x 3 x 1,3                                    | 24,00                 | 414                   | 723                    | 500/1000             |
| 376513120 | 12 x 3 x 1,3                                    | 25,00                 | 495                   | 847                    | 500/1000             |
| 376513160 | 16 x 3 x 1,3                                    | 28,00                 | 658                   | 1100                   | 500/1000             |
| 376513200 | 20 x 3 x 1,3                                    | 31,20                 | 823                   | 1350                   | 500/1000             |
| 376513240 | 24 x 3 x 1,3                                    | 35,00                 | 986                   | 1610                   | 500/1000             |
| 376515020 | 2 x 3 x 1,5                                     | 13,10                 | 98                    | 209                    | 500/1000             |
| 376515040 | 4 x 3 x 1,5                                     | 15,50                 | 191                   | 340                    | 500/1000             |
| 376515060 | 6 x 3 x 1,5                                     | 19,00                 | 284                   | 510                    | 500/1000             |
| 376515080 | 8 x 3 x 1,5                                     | 20,80                 | 377                   | 630                    | 500/1000             |
| 376515100 | 10 x 3 x 1,5                                    | 24,80                 | 471                   | 800                    | 500/1000             |
| 376515120 | 12 x 3 x 1,5                                    | 25,70                 | 564                   | 915                    | 500/1000             |
| 376515160 | 16 x 3 x 1,5                                    | 28,80                 | 750                   | 1210                   | 500/1000             |
| 376515200 | 20 x 3 x 1,5                                    | 32,20                 | 937                   | 1480                   | 500/1000             |
| 376515240 | 24 x 3 x 1,5                                    | 36,40                 | 1123                  | 1780                   | 500/1000             |