



HALLEY CABLES

RE-Yw(St)Yw-fl PIMF 90° C

CU/PVC/ISCR/OSCR/PVC

Instrumentation Cables 600 V

PVC insulated, screened, PVC sheathed cable

RE-Yw(St)Yw-fl-PIMF



Construction:

- Conductor : stranded plain annealed copper, 1,30mm²: 7x0,488 mm.
- Insulation : PVC compound, 90° C.
- Core identification : black and white coloured.
- Pair : two cores twisted to pair; pair identification with numbered tape 1,2,3...
- Pair separator : polyester tape.
- Pair screen : aluminium polyester tape with 7x0,30 mm tinned copper drain wire.
- Pair separator : polyester tape with numbered tape.
- Lay-up : PIMF (screened pairs) laid up in layers with optimum pitch.
- Separator : polyester tape.
- Screen : AL-PES tape 7x0,30 mm over stranded tinned copper drain wire.
- Outer sheath : PVC compound, 90° C, flame retardant, UV resistant.

Technical data and tests:

- Rated voltage : 600 V.
- Test voltage (AC 50 Hz) : 2500 V.
- Temperature range : -30° C ~ +90° C.
- Nominal capacitance (1 kHz) : max. 150 nF/km.
- Inductance : max. 1 mH/km.
- Insulation resistance : min. 100 MΩ/km.
- Min. bending radius : 10 x D.

Standards:

- Design : UL 1277, ANSI/ICEA S-73-532 NEMA WC 57 (ICEA S-82-552 is old version).
- Cond. resistance : ICEA S-73-532 (at 25° C).
- Flame test : IEC 60332-1 , UL 1581. IEC 60332-3-24 CAT C, IEEE -383.
- Oil resistance : ICEA S-73-532.

Applications:

These cables are used for transmission of analogue and digital signals in instrumentation and control systems at chemistry and petrochemistry industry plants, power plants, natural gas and petroleum plants, etc... . Instrumentation cables are not allowed to be directly connected to a low impedance source, e.g. public mains electricity supply. With blue sheath it is suitable for intrinsically safe systems. These cables are not recommended for direct burial. They are for indoor and outdoor installation, in dry and wet locations; on racks, trays, in conduits.

DIMENSIONS

No. of cores x cross section mm ²	Insulation thickness mm	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
20x2x1.3	0,80	33,90	523	136

