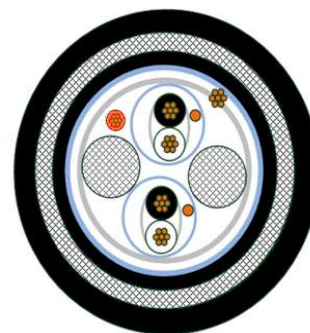


RE-2X(St)2YSWBY-fl Pimf
(Cu/Xlpe/Is/Os/Pe/Swb/Pvc)
EN 50288-7

300 V

Application

Transmission of analogue and digital signals
Chemistry industry
Industrial Signaling and process control circuit.
Petrochemistry industry
Electrical measuring devices to instrument panel
Gas Stations
Control cabinets to supervisory consoles and panels



Cable design

Conductor	BS EN 60228 , IEC 60228 , EN 60228 Cl.2 electrolytic copper
Insulation	EN 50290-2-29 Cross-linked polyethylene (XLPE)
Insulation colour	Black - White insulated cores, each pair numbered
Wrapping	Pet tape
Individual Screen	Tinned copper drain wire(0,60mm);Aluminium/pet tape
Stranding	Pairs in layers of optimum pitch
Wrapping	Pet tape
Screen	Tinned copper drain wire(7x0,3mm);Aluminium/pet tape
Inner sheath	Polyethylene compound
Armour	Galvanized steel wire braid
Outer sheath	EN 50290-2-22 Pvc compound
Outer sheath colour	Ral 9005 Black (other colours on request)

EMC compatible
Oil resistant
Flame retardant characteristic
UV resistant

fl*: Flame retardant outer sheath

Technical characteristics

Properties	Unit	Values					
		0,5 mm²	0,75mm²	1 mm²	1,3 mm²	1,5 mm²	2,5 mm²
Conductor resistance Class 2	Ω/km max.	36	24,5	18,1	14,2	12,1	7,41
Insulation resistance	MΩ/km min.	1000					
Inductance	mH/km max.	1					
Mutual capacity single pair: up to 4 pairs: above 4 pairs:	nF/km max.	115 80 65	115 80 65	115 80 65	115 90 75	115 90 75	115 90 75
L/R (Ratio)	μH/Ω max.	25	25	25	25	40	60
Current load	A	6	13	16	18	20	25
Operating voltage	V	300V					500V
Test voltage	V	1500V					2000V
Bending radius	mm	10xD					
Temperature range	°C	-30°C ~+90°C					
Flame retardant		IEC 60332-1-2; VDE 0482-332-1-2; EN 60332-1-2					
Flame propagation		IEC 60332-3-24; VDE 0482-332-3-24; EN 60332-3-24					
UV resistant		UL 1581 section 1200					
Oil resistant		ICEA S-73-532 Test temperature +70°C, duration 4h					

Cable type - Cross section	Cable Weight (Kg/Km)	Outer diameter approx mm
RE-2X(St)2YSWBY-fl Pimf 8x2x0.75mm²	460	18,30±10%