

# Instrumentation cable

## RE-2X(St)Yv-fl



**Application:** For data communication with transmission rates up to 200 kBit/s in MSR- and EDP systems. Transmission characteristics are guaranteed by high-quality stranding and screening. For fixed installation in dry and damp areas as well as in the ground.

Stranding:

- two cores twisted into pairs (triples)
- pairs/triples stranded in layers

Core identification: black-white with sequential numbering. Cables 1x3x ...: bk, wh, rd

### Construction and technical data:

<b>Standard:</b>	EN 50288-7
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	class 2, 7-wired construction
<b>Insulation:</b>	XLPE
<b>Stranding unit:</b>	Pair
<b>Stranding:</b>	pairs in layers
<b>Screen:</b>	plastic coated Al-foil + copper drain wire, tinned
<b>Screen over strand:</b>	Foil
<b>Drain wire:</b>	yes
<b>Sheathing material:</b>	PVC
<b>Flame-retardant:</b>	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
<b>UV-resistant:</b>	yes, only black version
<b>Permitted outer cable temperature, fixed, °C:</b>	-20 - +70 °C
<b>Bending radius, fixed installation:</b>	7.5 x Ø
<b>Insulation resistance:</b>	1000 MOhm <sub>x</sub> km
<b>Specific inductivity:</b>	1 mH/km
<b>Temperature classification:</b>	-5 - +50



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

Maximum operating capacity: 150 nF/km

Test voltage: 1 kV

peak operating voltage, V: 300 V

part no.	part name	Ø [mm]	Cu	G [kg]
100627	01X2X0.5 BU	7.3	15	70
100629	02X2X0.5 BU	9.7	30	98
100630	04X2X0.5 BU	10.9	46	130
100632	08X2X0.5 BU	13.3	85	210
100617	12X2X0.5 BU	15.4	130	266
100635	16X2X0.5 BU	17.2	165	340
101267	20X2X0.5 BU	18.8	205	400
100622	24X2X0.5 BU	20.1	250	455
100637	01X2X0.75 BU	7.7	25	80
100564	02X2X0.75 BU	10.4	47	101
100639	04X2X0.75 BU	11.7	64	160
100640	06X2X0.75 BU	13.6	94	220
100642	08X2X0.75 BU	14.4	125	278
101290	10X2X0.75 BU	15.6	156	320
100643	12X2X0.75 BU	16.8	184	344
100645	16X2X0.75 BU	18.8	245	430
101090	20X2X0.75 BU	20.2	308	535
100647	24X2X0.75 BU	22.1	370	610
101426	01X2X1 BU	8.1	26.5	90
100650	01X2X1.3 BU	8.4	34	102
100651	01X3X1.3 BU	10	50	110
100562	02X2X1.3 BU	11.6	60	125
100653	04X2X1.3 BU	13.2	114	220
100655	06X2X1.3 BU	15.5	173	300
100657	08X2X1.3 BU	16.4	218	360
100563	12X2X1.3 BU	19.2	322	488
100659	16X2X1.3 BU	21.6	426	622
101501	20X2X1.3 BU	27	525	850
100660	24X2X1.3 BU	26.1	684	912
100628	01X2X0.5 BK	7.3	15	70
100619	02X2X0.5 BK	9.7	30	98
100631	04X2X0.5 BK	10.9	46	130
100633	08X2X0.5 BK	13.3	85	210
100623	12X2X0.5 BK	15.4	130	266
100636	16X2X0.5 BK	17.2	165	340
100634	24X2X0.5 BK	20.1	250	455
100638	01X2X0.75 BK	7.7	25	80
100518	02X2X0.75 BK	10.4	47	101
100626	04X2X0.75 BK	11.7	64	160
100641	06X2X0.75 BK	13.6	94	220
100530	08X2X0.75 BK	14.4	125	278
101289	10X2X0.75 BK	15.6	156	320
100644	12X2X0.75 BK	16.8	184	344
100646	16X2X0.75 BK	18.8	245	430
101091	20X2X0.75 BK	20.2	308	535
100624	24X2X0.75 BK	22.1	370	610
101425	01X2X1 BK	8.1	26.5	90
101097	02X2X1 BK	11	53.8	145
101098	04X2X1 BK	12.5	87.7	200

part no.	part name	Ø [mm]	Cu	G [kg]
101099	06X2X1 BK	14.6	133.1	276
101100	08X2X1 BK	15.4	167.7	321
100615	01X2X1.3 BK	8.4	34	102
100652	01X3X1.3 BK	10	50	110
100589	02X2X1.3 BK	11.6	60	125
100654	04X2X1.3 BK	13.2	114	220
100656	06X2X1.3 BK	15.5	173	300
100658	08X2X1.3 BK	16.4	218	360
100603	12X2X1.3 BK	19.2	322	488
100587	16X2X1.3 BK	21.6	426	622
101500	20X2X1.3 BK	27	525	850
100479	24X2X1.3 BK	26.1	684	912
101053	01X3X1.5 BK	9.3	55	134
101050	02X2X1.5 BK	11.9	72.1	187
101054	04X3X1.5 BK	15.3	203.6	342
101051	10X2X1.5 BK	19.5	335.6	526
101052	14X2X1.5 BK	21.3	467.6	692

Ø | outer diameter approx.

Cu | Copper weight (GER)

G | net weight per 1000