

YSLY-CY -OZ/-JZ/-OB/-JB

PVC screened control cable

RoHS

CROSS SECTION



APPLICATION

For measurement and control purposes requiring a high level of electromagnetic compatibility (EMC). The cable is largely oil and chemical resistant. For use in dry and damp rooms but not outdoors.

STRUCTURE

Design structure based on DIN VDE 0250

Conductor	Copper conductor, bare, flexible, conductor structure according to VDE 0295 class 5
Core identification	OZ - black cores with imprinted digits, no green and yellow protective conductor JZ - black cores with imprinted digits, green and yellow protective conductor OB - coloured cores without green and yellow protective conductor JB - coloured cores with green and yellow protective conductor Cores concentrically stranded in layers, with optimum lay lengths
Stranding method	
Inner sheath	Sheath material made from special PVC compound
Shield	Mesh of tin-plated copper wires, optical coverage approx. 85%
Outer sheath	Sheath material made from special PVC compound

TECHNICAL DATA

Nominal voltage	300 V/500 V
Test voltage	2000 V
Conductor resistance	At 20°C according to VDE 0295 class 5 and IEC 228 class 5 for flexible conductors
Conductor temperature	Max. +70°C during operation, + 150°C in the case of a short circuit
Insulation resistance	Min. 20 MOhm x km
Min. bending radius	Up to 20 mm Ø: 15 x cable diameter > 20 mm Ø: 20 x cable diameter
Temperature range	Moving -5°C to +70°C
Temperature range	Fixed installation -40°C to +80°C
Flammability	Test method B according to VDE 0472 part 804 and IEC 332-1
PVC properties	Self extinguishing and flame retardant

SPECIAL FEATURES

Core insulation
Core insulation made from special PVC compound

Sheath colour
Grey (RAL 7001)
Transparent

Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
YSLY-CY-OZ	2x0.75	Screened - grey	46.0	7.5	92	8310001
YSLY-CY-JZ	3x0.75	Screened - grey	58.0	7.9	102	8310002
YSLY-CY-JZ	4x0.75	Screened - grey	64.0	8.5	118	8310003
YSLY-CY-JZ	5x0.75	Screened - grey	78.0	9.0	133	8310004
YSLY-CY-JZ	7x0.75	Screened - grey	102.0	10.5	190	8310005
YSLY-CY-JZ	12x0.75	Screened - grey	177.0	13.0	304	8310007
YSLY-CY-JZ	18x0.75	Screened - grey	243.0	14.7	374	8310009
YSLY-CY-JZ	25x0.75	Screened - grey	307.0	17.7	504	8310010
YSLY-CY-JZ	34x0.75	Screened - grey	413.0	18.5	822	8310011
YSLY-CY-JZ	42x0.75	Screened - grey	445.0	20.0	1002	8310012
YSLY-CY-JZ	50x0.75	Screened - grey	535.0	24.6	1080	8310013
YSLY-CY-JZ	61x0.75	Screened - grey	620.0	26.3	1190	8310014
YSLY-CY-OZ	2x1	Screened - grey	56.0	8.2	110	8310020
YSLY-CY-JZ	3x1	Screened - grey	83.0	8.5	123	8310022
YSLY-CY-JZ	4x1	Screened - grey	78.0	9.5	148	8310023
YSLY-CY-JZ	5x1	Screened - grey	89.0	10.2	172	8310024
YSLY-CY-JZ	7x1	Screened - grey	113.0	11.6	221	8310025
YSLY-CY-JZ	12x1	Screened - grey	165.0	14.5	367	8310027
YSLY-CY-JZ	18x1	Screened - grey	286.0	17.4	506	8310029
YSLY-CY-JZ	25x1	Screened - grey	389.0	18.1	672	8310031
YSLY-CY-JZ	34x1	Screened - grey	505.0	20.2	890	8310032
YSLY-CY-JZ	42x1	Screened - grey	550.7	21.5	1110	8310033
YSLY-CY-JZ	50x1	Screened - grey	662.0	28.0	1300	8310034
YSLY-CY-JZ	61x1	Screened - grey	775.0	29.2	1362	8310035
YSLY-CY-OZ	2x1.5	Screened - grey	65.0	8.6	140	8310040
YSLY-CY-JZ	3x1.5	Screened - grey	83.0	9.6	162	8310041
YSLY-CY-JZ	4x1.5	Screened - grey	100.0	9.9	178	8310042
YSLY-CY-JZ	5x1.5	Screened - grey	125.0	10.6	211	8310043
YSLY-CY-JZ	7x1.5	Screened - grey	196.0	13.3	310	8310044
YSLY-CY-JZ	12x1.5	Screened - grey	280.0	16.0	454	8310046
YSLY-CY-JZ	18x1.5	Screened - grey	389.0	19.6	628	8310048
YSLY-CY-JZ	25x1.5	Screened - grey	535.0	22.6	794	8310049
YSLY-CY-JZ	34x1.5	Screened - grey	666.6	25.9	1142	8310050
YSLY-CY-JZ	42x1.5	Screened - grey	788.8	28.9	1332	8310052
YSLY-CY-JZ	50x1.5	Screened - grey	915.0	30.0	1662	8310053
YSLY-CY-JZ	61x1.5	Screened - grey	1196.9	33.0	1785	8310054
YSLY-CY-JZ	3x2.5	Screened - grey	146.0	11.5	214	8310061
YSLY-CY-JZ	4x2.5	Screened - grey	167.0	12.3	270	8310062
YSLY-CY-JZ	5x2.5	Screened - grey	200.0	14.2	342	8310063
YSLY-CY-JZ	7x2.5	Screened - grey	288.0	14.9	426	8310064
YSLY-CY-JZ	12x2.5	Screened - grey	473.0	19.5	710	8310065
YSLY-CY-JZ	18x2.5	Screened - grey	573.0	23.2	990	8310066
YSLY-CY-JZ	4x4	Screened - grey	237.0	15.8	415	8310075
YSLY-CY-JZ	5x4	Screened - grey	280.0	17.0	480	8310077
YSLY-CY-JZ	4x6	Screened - grey	318.0	18.0	568	8310080
YSLY-CY-JZ	5x6	Screened - grey	441.0	20.3	686	8310081
YSLY-CY-JZ	4x10	Screened - grey	558.0	22.2	942	8310087
YSLY-CY-JZ	5x10	Screened - grey	714.0	25.3	1110	8310088
YSLY-CY-JZ	4x16	Screened - grey	804.0	25.5	1230	8310093
YSLY-CY-JZ	5x16	Screened - grey	1050.0	28.6	1485	8310094
YSLY-CY-OZ	2x0.75	Screened - transparent	46.0	7.5	92	8320001
YSLY-CY-JZ	3x0.75	Screened - transparent	58.0	7.9	102	8320002
YSLY-CY-JZ	4x0.75	Screened - transparent	64.0	8.5	118	8320003
YSLY-CY-JZ	5x0.75	Screened - transparent	78.0	9.0	133	8320004
YSLY-CY-JZ	7x0.75	Screened - transparent	102.0	10.5	190	8320005
YSLY-CY-JZ	12x0.75	Screened - transparent	177.0	13.0	304	8320007
YSLY-CY-JZ	18x0.75	Screened - transparent	243.0	14.7	374	8320009
YSLY-CY-JZ	25x0.75	Screened - transparent	307.0	17.7	504	8320010
YSLY-CY-JZ	34x0.75	Screened - transparent	413.0	18.5	822	8320011
YSLY-CY-OZ	2x1	Screened - transparent	56.0	8.2	110	8320020
YSLY-CY-JZ	3x1	Screened - transparent	83.0	8.5	123	8320022
YSLY-CY-JZ	4x1	Screened - transparent	78.0	9.5	148	8320023
YSLY-CY-JZ	5x1	Screened - transparent	89.0	10.2	172	8320024

Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
YSLY-CY-JZ	7x1	Screened - transparent	113.0	11.6	221	8320025
YSLY-CY-JZ	12x1	Screened - transparent	165.0	14.5	367	8320027
YSLY-CY-JZ	18x1	Screened - transparent	286.0	17.4	506	8320029
YSLY-CY-JZ	25x1	Screened - transparent	389.0	18.1	672	8320031
YSLY-CY-OZ	2x1.5	Screened - transparent	65.0	8.6	140	8320040
YSLY-CY-JZ	3x1.5	Screened - transparent	83.0	9.6	162	8320041
YSLY-CY-JZ	4x1.5	Screened - transparent	100.0	9.9	178	8320042
YSLY-CY-JZ	5x1.5	Screened - transparent	125.0	10.6	211	8320043
YSLY-CY-JZ	7x1.5	Screened - transparent	196.0	13.3	310	8320044
YSLY-CY-JZ	12x1.5	Screened - transparent	280.0	16.0	454	8320046
YSLY-CY-JZ	18x1.5	Screened - transparent	389.0	19.6	628	8320048
YSLY-CY-JZ	25x1.5	Screened - transparent	535.0	22.6	794	8320049
YSLY-CY-JZ	3x2.5	Screened - transparent	146.0	11.5	214	8320061
YSLY-CY-JZ	4x2.5	Screened - transparent	167.0	12.3	270	8320062
YSLY-CY-JZ	5x2.5	Screened - transparent	200.0	14.2	342	8320063
YSLY-CY-JZ	7x2.5	Screened - transparent	288.0	14.9	426	8320064
YSLY-CY-JZ	12x2.5	Screened - transparent	473.0	19.5	710	8320065
YSLY-CY-JZ	18x2.5	Screened - transparent	573.0	23.2	990	8320066
YSLY-CY-JZ	4x4	Screened - transparent	237.0	15.8	415	8320075
YSLY-CY-JZ	5x4	Screened - transparent	280.0	17.0	480	8320077
YSLY-CY-JZ	4x6	Screened - transparent	318.0	18.0	568	8320080
YSLY-CY-JZ	5x6	Screened - transparent	441.0	20.3	686	8320081
YSLY-CY-JZ	4x10	Screened - transparent	558.0	22.2	942	8320087
YSLY-CY-JZ	5x10	Screened - transparent	714.0	25.3	1110	8320088
YSLY-CY-JZ	4x16	Screened - transparent	804.0	25.5	1230	8320093
YSLY-CY-JZ	5x16	Screened - transparent	1050.0	28.6	1485	8320094
YSLY-CY-OB	2x0.75	Screened - grey	46.0	7.5	92	8312001
YSLY-CY-JB	3x0.75	Screened - grey	58.0	7.9	102	8312002
YSLY-CY-JB	4x0.75	Screened - grey	64.0	8.5	118	8312003
YSLY-CY-JB	5x0.75	Screened - grey	78.0	9.0	133	8312004
YSLY-CY-JB	7x0.75	Screened - grey	102.0	10.5	190	8312005
YSLY-CY-JB	12x0.75	Screened - grey	177.0	13.0	304	8312007
YSLY-CY-JB	18x0.75	Screened - grey	243.0	14.7	374	8312009
YSLY-CY-JB	25x0.75	Screened - grey	307.0	17.7	504	8312010
YSLY-CY-JB	34x0.75	Screened - grey	413.0	18.5	822	8312011
YSLY-CY-JB	42x0.75	Screened - grey	445.0	20.0	1002	8312012
YSLY-CY-JB	50x0.75	Screened - grey	535.0	24.6	1080	8312013
YSLY-CY-JB	61x0.75	Screened - grey	620.0	26.3	1190	8312014
YSLY-CY-OB	2x1	Screened - grey	56.0	8.2	110	8312020
YSLY-CY-JB	3x1	Screened - grey	83.0	8.5	123	8312022
YSLY-CY-JB	4x1	Screened - grey	78.0	9.5	148	8312023
YSLY-CY-JB	5x1	Screened - grey	89.0	10.2	172	8312024
YSLY-CY-JB	7x1	Screened - grey	113.0	11.6	221	8312025
YSLY-CY-JB	12x1	Screened - grey	165.0	14.5	367	8312027
YSLY-CY-JB	18x1	Screened - grey	286.0	17.4	506	8312029
YSLY-CY-JB	25x1	Screened - grey	389.0	18.1	672	8312031
YSLY-CY-JB	34x1	Screened - grey	505.0	20.2	890	8312032
YSLY-CY-JB	42x1	Screened - grey	550.7	21.5	1110	8312033
YSLY-CY-JB	50x1	Screened - grey	662.0	28.0	1300	8312034
YSLY-CY-JB	61x1	Screened - grey	775.0	29.2	1362	8312035
YSLY-CY-OB	2x1.5	Screened - grey	65.0	8.6	140	8312040
YSLY-CY-JB	3x1.5	Screened - grey	83.0	9.6	162	8312041
YSLY-CY-JB	4x1.5	Screened - grey	100.0	9.9	178	8312042
YSLY-CY-JB	5x1.5	Screened - grey	125.0	10.6	211	8312043
YSLY-CY-JB	7x1.5	Screened - grey	196.0	13.3	310	8312044
YSLY-CY-JB	12x1.5	Screened - grey	280.0	16.0	454	8312046
YSLY-CY-JB	18x1.5	Screened - grey	389.0	19.6	628	8312048
YSLY-CY-JB	25x1.5	Screened - grey	535.0	22.6	794	8312049
YSLY-CY-JB	34x1.5	Screened - grey	666.6	25.9	1142	8312050
YSLY-CY-JB	42x1.5	Screened - grey	788.8	28.9	1332	8312052
YSLY-CY-JB	50x1.5	Screened - grey	915.0	30.0	1662	8312053
YSLY-CY-JB	61x1.5	Screened - grey	1196.9	33.0	1785	8312054
YSLY-CY-JB	3x2.5	Screened - grey	146.0	11.5	214	8312061
YSLY-CY-JB	4x2.5	Screened - grey	167.0	12.3	270	8312062

Product description			Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
YSLY-CY-JB	5x2.5	Screened - grey	200.0	14.2	342	8312063
YSLY-CY-JB	7x2.5	Screened - grey	288.0	14.9	426	8312064
YSLY-CY-JB	12x2.5	Screened - grey	473.0	19.5	710	8312065
YSLY-CY-JB	18x2.5	Screened - grey	573.0	23.2	990	8312066
YSLY-CY-JB	4x4	Screened - grey	237.0	15.8	415	8312075
YSLY-CY-JB	5x4	Screened - grey	280.0	17.0	480	8312077
YSLY-CY-JB	4x6	Screened - grey	318.0	18.0	568	8312080
YSLY-CY-JB	5x6	Screened - grey	441.0	20.3	686	8312081
YSLY-CY-JB	4x10	Screened - grey	558.0	22.2	942	8312087
YSLY-CY-JB	5x10	Screened - grey	714.0	25.3	1110	8312088
YSLY-CY-JB	4x16	Screened - grey	804.0	25.5	1230	8312093
YSLY-CY-JB	5x16	Screened - grey	1050.0	28.6	1485	8312094