Application

YY cable is utilized for measuring, control, and checking applications on conveyors, assembly, and production lines. The low smoke zero halogen (LSZH) outer sheath is designed for areas with high concentrations of people where fire, smoke emissions, and toxic fumes pose a threat to life.

Performance

Voltage Rating: 300/500 Volts
Temperature limits:
Static: -20°C to +80°C
Flexing: -5°C to +70°C
Minimum Bending Radius: As per Manufacturer's Datasheet
Should not be installed at temperatures below -5°C

Construction

Conductor: Plain Annealed Stranded Copper Conductors
Insulation: LSZH insulated
Sheath: LSZH
Sheath Colour: Gray
Core Identification
2 Core: Black with White numbers
3 core and above: Black with White numbers plus Green/Yellow
Also available with colored cores as follows:
2 Core: Brown Blue
3 Core: Brown Blue Green / Yellow
4 Core: Brown Black Grey Green / Yellow
5 Core: Brown Blue Black Grey Green / Yellow

Specification

-Generally to BS EN 50525-3-11
-VDE 0250

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

CCC CODE	Dimensions					
	Nominal Cross Section Area	Stranding	No. Of Cores	Weight	Outside Diameter	Gland Size
-	mm^2	mm	-	kg/km	mm	mm
YY2X/75LSF	0.75	24/0.20	2	46	5.60	20/16
YY3X/75LSF	0.75	24/0.20	3	52	5.70	20/16
YY4X/75LSF	0.75	24/0.20	4	64	6.20	20/16
YY5X/75LSF	0.75	24/0.20	5	77	7.00	20/16
YY7X/75LSF	0.75	24/0.20	7	95	7.30	20/16
YY12X/75LSF	0.75	24/0.20	12	155	9.50	20S
YY25X/75LSF	0.75	24/0.20	25	305	13.20	20
YY34X/75LSF	0.75	24/0.20	34	460	16.70	25
YY2X1LSF	1	32/0.20	2	55	6.00	20/16
YY3X1LSF	1	32/0.20	3	66	6.10	20/16
YY4X1LSF	1	32/0.20	4	82	6.70	20/16
YY5X1LSF	1	32/0.20	5	93	7.50	20/16
YY2X1/5LSF	1.5	30/0.25	2	69	6.60	20/16
YY3X1/5LSF	1.5	30/0.25	3	87	7.00	20/16
YY4X1/5LSF	1.5	30/0.25	4	110	7.60	20/16
YY5X1/5LSF	1.5	30/0.25	5	124	8.10	20S
YY7X1/5LSF	1.5	30/0.25	7	176	9.20	20S
YY12X1/5LSF	1.5	30/0.25	12	290	13.10	20
YY18X1/5LSF	1.5	30/0.25	18	424	14.80	25
YY25X1/5LSF	1.5	30/0.25	25	565	18.00	25
YY34X1/5LSF	1.5	30/0.25	34	775	21.00	32
YY2X2/5LSF	2.5	50/0.25	2	106	7.80	20/16
YY3X2/5LSF	2.5	50/0.25	3	126	8.10	20S
YY4X2/5LSF	2.5	50/0.25	4	159	8.90	20S
YY5X2/5LSF	2.5	50/0.25	5	178	9.70	20S
YY7X2/5LSF	2.5	50/0.25	7	272	11.10	20
YY3X4LSF	4	56/0.30	3	201	10.40	20S
YY4X4LSF	4	56/0.30	4	283	10.70	20S
YY5X4LSF	4	56/0.30	5	293	12.40	20
YY7X4LSF	4	56/0.30	7	413	14.00	25
YY3X6LSF	6	84/0.30	3	273	11.50	20
YY4X6LSF	6	84/0.30	4	352	12.80	20
YY5X6LSF	6	84/0.30	5	415	14.60	25
YY7X6LSF	6	84/0.30	7	537	15.20	25

Dimensions						
CCC CODE	Nominal Cross Section Area	Stranding	No. Of Cores	Weight	Outside Diameter	Gland Size
-	mm^2	mm	-	kg/km	mm	mm
YY3X10LSF	10	80/0.40	3	466	15.30	25
YY4X10LSF	10	80/0.40	4	631	16.50	25
YY5X10LSF	10	80/0.40	5	720	18.60	25
YY3X16LSF	16	126/0.4	3	697	18.40	25
YY4X16LSF	16	126/0.4	4	767	19.90	32
YY5X16LSF	16	126/0.40	5	1151	22.40	32
YY3X25LSF	25	196/0.40	3	930	21.50	32

Current Capacity & Conductor Resistance		
Nominal Cross Section Area	Current Carry Capacity at 300℃ in Air	Maximum Resistance Conductor At 200℃ Plain Wires
mm^2	Amps	Ω/km
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	23	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.780

Voltage Drop			
Nominal Cross Section Area	Two Core Cable D.C.	Single Phase Two Core Cable A.C.	Three Phase 3 Or 4 Core Cable A.C.
mm^2	mV/A/m	mV/A/m	mV/A/m
1	44	44	38
1.5	29	29	25
2.5	18	18	15
4	11	11	9.5
6	7.3	7.3	6.4
10	4.4	4.4	3.8
16	2.8	2.8	2.4

The above is in accordance with 18th edition of iet wiring regulations

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. We believe the information is correct at the time of publication. please note when selecting cable accessories that actual cable dimensions may vary due to manufacturing tolerances