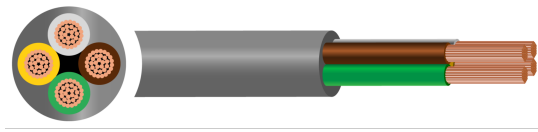


LiYY Cable



Description

LiYY is a multi-core, signal and control cable with Class 5 flexible copper conductors and a Polyvinyl Chloride (PVC) insulation and sheath. This cable is primarily used for low-frequency data transmission within computer systems, office equipment, and process control instrumentation. It is a standard choice for internal wiring in industrial plants, such as those in the packaging and wood processing sectors

Functionally, LiYY provides a wide operating thermal range, generally maintaining stability from -40°C to +80°C in static installations. It offers high flexibility and a reduced outer diameter compared to shielded variants. It is important to note that the PVC construction is intended for general-purpose applications where the absence of specific low-smoke or UV-resistant properties does not conflict with CPR 2017 regulations.

Key Features



Voltage Rating
250 Volts



Minimum Bending Radius
Fixed: 5 x overall diameter
Flexing: 8 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1-2



Temperature Limits
Fixed: -30°C to +80°C
Flexing: -5°C to +70°C

Core Colours

Core 1:	Core 13: /
Core 2:	Core 14: /
Core 3:	Core 15: /
Core 4:	Core 16: /
Core 5:	Core 17: /
Core 6:	Core 18: /
Core 7:	Core 19: /
Core 8:	Core 20: /
Core 9:	Core 21:
Core 10:	Core 22: /
Core 11: /	Core 23: /
Core 12:	Core 24:

Standards

- VDE 0812
- BS EN/IEC 60332-1
- BS EN/IEC 60228

Construction

- **Conductor:** Class 5 flexible stranded copper conductor
- **Insulation:** Polyvinyl Chloride (PVC)
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Grey

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

LiYY Cable - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
LIYY2X/14	0.14	2	3.20	12
LIYY3X/14	0.14	3	3.30	17
LIYY5X/14	0.14	5	4.00	22
LIYY7X/14	0.14	7	4.70	28
LIYY8X/14	0.14	8	5.30	30
LIYY12X/14	0.14	12	5.80	50
LIYY14X/14	0.14	14	6.10	55
LIYY18X/14	0.14	18	6.70	70
LIYY21X/14	0.14	21	7.50	80
LIYY24X/14	0.14	24	7.80	95
LIYY4X/14	0.24	4	3.70	19
LIYY2X/25	0.25	2	3.60	17
LIYY3X/25	0.25	3	3.70	19
LIYY4X/25	0.25	4	4.20	27
LIYY5X/25	0.25	5	4.40	30
LIYY7X/25	0.25	7	5.40	40
LIYY8X/25	0.25	8	6.10	50
LIYY12X/25	0.25	12	6.50	70
LIYY2X/34	0.34	2	4.20	20
LIYY3X/34	0.34	3	4.50	21
LIYY4X/34	0.34	4	4.90	30
LIYY5X/34	0.34	5	5.50	40
LIYY7X/34	0.34	7	6.70	50
LIYY8X/34	0.34	8	7.20	60
LIYY12X/34	0.34	12	7.80	85
LIYY2X/5	0.50	2	5.50	25
LIYY3X/5	0.50	3	5.80	30
LIYY4X/5	0.50	4	6.40	40
LIYY5X/5	0.50	5	7.00	50
LIYY7X/5	0.50	7	7.70	65
LIYY8X/50	0.50	8	8.00	75
LIYY12X/5	0.50	12	9.60	120
LIYY21X/5	0.50	21	12.70	185
LIYY24X/5	0.50	24	13.60	225
LIYY2X/75	0.75	2	5.90	45
LIYY3X/75	0.75	3	6.00	60
LIYY4X/75	0.75	4	6.50	70
LIYY12X/75	0.75	12	10.20	180

Reference	Conductor Size (mm ²)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
LIYY2X1	1	2	6.00	60
LIYY4X1	1	4	6.50	85

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.