

Part No: EESYX

Description: The ENGELEC's LSZH SY control cable is a steel wire braiding armored flex cable used as interconnect cable for measuring, controlling or regulation in control equipment for assembly and production lines, conveyors and for computer units. Suitable for flexible use in conditions of light mechanical stress. Can be used outdoors when protected against direct sunlight, and in dry or moist conditions indoors. The braided screen offers mechanical protection and a level of electro-magnetic shielding. The galvanized coating helps protect against corrosion. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment. All plastic materials are low smoke and halogen free.



Construction

Conductor	Class 5, Annealed plain copper, sizes: 1.5mm ² , 2.5mm ² , 4mm ² & 6mm ² to BS 6360
Insulation	Low smoke halogen free compound, Type T16
Binder	Transparent PET tape
Colour code	According to EN60456, ● Blue ● Brown ● Black ● Grey ● Green/Yellow
Screen	Tinned copper wire braiding, shielding coverage > 80%
Bedding Sheath	Low smoke halogen free compound, TM7
Outer sheath	Low smoke halogen free compound, TM7
Sheath colour	Gray or Transparent.

Mechanical and Electrical Properties

* **Operating temperature** : -20°C up to + 100°C (fixed installation) ; -10°C to +90°C (flexed operation).

* **Minimum bending radius** : 12 x overall diameter.

Conductor Area Size	mm ²	1.5	2.5	4.0	6.0
Conductor resistance max	ohm/km	13.3	7.98	4.95	3.3
Insulation resistance min	Mohm/km	25	25	25	25
Current carrying capacity at 30°C in air in conductor	A	24	32	42	54
	A	15	18	26	34
Braided shielding coverage	%	>50	>50	>50	>50
Voltage drop	mV/A/m	25	15	9.5	6.4
AC voltage withstand test	V	2500	2500	2500	2500
Rated voltage max	V	450/750	450/750	450/750	450/750

Standards

RoHS Compliance :	Yes	UV Resistance :	Good, ISO 4892-3†
CE Compliant :	Yes (2014/35/EU)	Weather Resistance :	Good, ISO 4892-3†
Manufactured in accordance to :	VDE0207, EN50525, IEC 60331-1	CPR Classification	F _{ca} (EN50575:2014+A1:2016)

Dimension Parameter

Engelec Cable Part Number	No. of Cores	Nominal Conductor CSA	Nominal Thickness of Insulation	Nominal Thickness of bedding	Nominal Dia. over Bedding	Thickness of braid shielding	Nominal Thickness of Sheath	Nominal Dia. of Cable	Approx. Weight
		mm ²	mm	mm	mm	mm	mm	mm	kg/km
EESYX3C15	3	1.5	0.6	0.5	6.6	0.12	0.7	8.2	138
EESYX3C25	3	2.5	0.7	0.5	7.9	0.12	0.8	9.7	188
EESYX3C40	3	4.0	0.8	0.6	9.6	0.12	0.9	11.6	256
EESYX3C60	3	6.0	0.8	0.6	10.7	0.12	1.0	12.9	352
EESYX4C15	4	1.5	0.6	0.5	7.3	0.12	0.7	8.9	161
EESYX4C25	4	2.5	0.7	0.5	8.8	0.12	0.8	10.6	223
EESYX4C40	4	4.0	0.8	0.6	10.6	0.12	1.0	12.8	310
EESYX4C60	4	6.0	0.8	0.6	11.6	0.12	1.1	14.0	430
EESYX5C15	5	1.5	0.6	0.5	8.0	0.12	0.8	9.8	189
EESYX5C25	5	2.5	0.7	0.5	9.7	0.12	0.9	11.7	264
EESYX5C40	5	4.0	0.8	0.6	11.5	0.12	1.0	13.7	350
EESYX5C60	5	6.0	0.8	0.6	12.8	0.12	1.1	15.2	523
EESYX7C15	7	1.5	0.6	0.5	8.8	0.12	0.8	10.6	202
EESYX7C25	7	2.5	0.7	0.5	10.6	0.12	1.0	12.8	300
EESYX7C40	7	4.0	0.8	0.6	12.6	0.12	1.1	15.0	440
EESYX7C60	7	6.0	0.8	0.6	14.1	0.12	1.2	16.7	580
EESYX12C15	12	1.5	0.6	0.6	11.2	0.12	1.1	13.6	330
EESYX12C25	12	2.5	0.7	0.7	14.7	0.12	1.2	17.3	470
EESYX12C40	12	4.0	0.8	0.8	17.4	0.12	1.4	20.4	680
EESYX12C60	12	6.0	0.8	0.8	19.4	0.12	1.4	22.4	890

Conductor

Conductor Area Size	mm ²	1.5	2.5	4.0	6.0
Conductor Class 5	No. x mm	30/0.25	50/0.25	56/0.30	84/0.30

* Information and images on this datasheet are intended for guidance only and products may vary due to technical improvements and commercial factor

Find the product by : www.engeleccable.com | email: info@engelec.cn | tel: +86 577 61672337 | quick quote: +86 13505876536

ENGELEC CABLE Copyright © 2017 All Rights Reserved