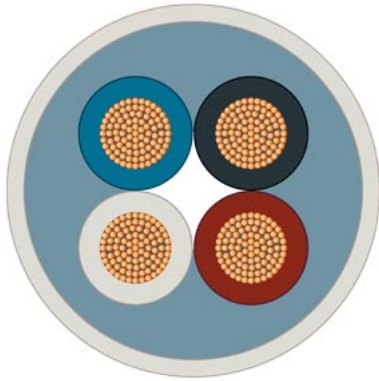


### product type designation

product description



### Robust Energy Cable 4 x 0,75

Robust, flexible energy cable (4-wire), sold by the meter, unassembled

Robust Energy Cable, 4-core power line, stranded wires 4x 1.0 mm<sup>2</sup>  
Delivery unit: max. 1000 m, minimum order 20 m Sold by the meter

suitability for use

Cable with FEP jacket (fluorinated plastic, perfluoroethylene propylene) for use in the food, beverage and tobacco industry (IP65/67/69 resistant, EHEDG approval). Cable is water-repellent, weather-proof, resistant to microbes, and extremely resistant to many cleaning agents and disinfectants (such as hypochlorite, chlorine dioxide, peroxyacetic acid, and quaternary ammonium cations).

cable designation

LI9YY6Y 4X1X0.75 GY

### electrical data

insulation resistance coefficient	20 GΩ·m
operating voltage / RMS value	300 V
conductor cross section / of the power line	0.75 mm <sup>2</sup>
continuous current / of the power lines	4.5 A

### mechanical data

number of electrical cores	4
outer diameter	
• of inner conductor	1.15 mm
• of the wire insulation	1.7 mm
• of cable sheath	5.7 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
conductor class	5
material	
• of the conductor	CU, blank
• of the wire insulation	PP
• of cable sheath	PVC/FEP; FEP transparent
product component / PE connection	No
marking / of cores	Color
color	
• of the power line insulation	brown / blue, white / black
• of cable sheath	gray
bending radius	
• with single bend / minimum permissible	23 mm
• with multiple bends / minimum permissible	46 mm
• with continuous bending	100 mm
number of bending cycles	500000; acceleration 4 m/s <sup>2</sup>
number of torsion cycles / with torsion by ± 180° on 1 m cable length	1000000

tensile load / maximum	150 N
weight per length	53 kg/km
<b>ambient conditions</b>	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-40 ... +80 °C
fire behavior	Flame-resistant acc. to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	oil resistant according to DIN EN 60811-404 (7x24h/90°C)
• to grease	resistant
• to water	resistant
radiological resistance / to UV radiation	resistant according to UL 2556 Sec. 4.2.8.5
<b>product features, product functions, product components / general</b>	
product feature	
• halogen-free	No
• silicon-free	Yes
<b>standards, specifications, approvals</b>	
UL/ETL listing / 300 V Rating	Yes; c(ETL)us 3047254, CMG FT4 75°C, (ETL)us PLTC-ER, SUN RES, OIL RES I or E130266 AWM 22161 AWM I A/B 80°C 300V FT2
UL/ETL style / 600 V Rating	No
certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes
• for hygienic design	EHEDG, Installation and layout of the cables must fulfil the requirements of EHEDG published in the Guidelines Doc. 13 Hygienic Design of open equipment for processing food and Doc. 44 Hygienic Design Principles for food factories to be accessible for cleaning. Also connections must be easily cleanable by using EHEDG certified cable glands or connectors.
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	12/16/2020 