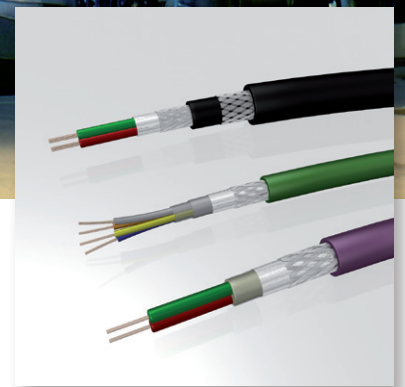




Draka



Ethernet and bus cables for industrial automation.
Reliable Datacommunication with Draka ICS:
Industrial Communication Solutions

About us

Prysmian is world leader in the high-tech energy and telecom cables and systems industry. With sales of some € 7 billion (pro-forma 2010 Prysmian/Draka) and 22,000 employees across 50 countries and 98 plants, the Prysmian Group is a truly global business.

Strongly positioned in high-tech markets, Prysmian has the widest range of products, services, technologies and know-how in all market segments. In the Energy sector, Prysmian provides high and extra-high voltage underground and submarine power transmission cables and systems, special cables for applications in many different industrial sectors and medium and low voltage cables for the construction and infrastructure industry.

In the Telecom business, Prysmian is a leading manufacturer of cables and accessories for the voice, video and data transmission industry, producing optical fibres, optical cables and connectivity, together with copper cables for virtually every type of communications application. Prysmian's key strengths are ability to innovate products and production processes, focus on customer requirements, extensive geographical footprint and a culture of service excellence. Prysmian is listed on the Milan Stock Exchange in the Blue Chip index.

Industrial Communication Solutions

An interesting cabling concept for industrial automation has established itself under the keyword ICS (Industrial Communication Solutions). It concerns the structured cabling of industrial plants similar to the cabling used for office communications.

Ethernet in industry is increasingly asserting itself because the communication standard used in countless office applications can be classified today as being simple, cost-effective and highly flexible, as well as having

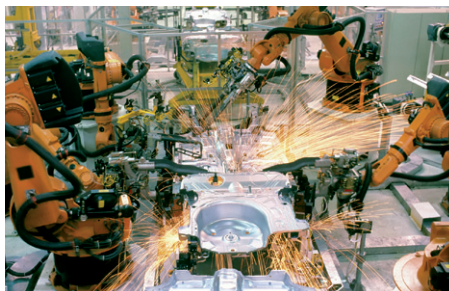
broad support on the system side. Industrial Ethernet and bussystems are proven standards in the industry. More and more plants are completely equipped with these systems and connected with special cabling, functioning in every environment.

Access to specific areas throughout the network makes adjustments and changes easily manageable.

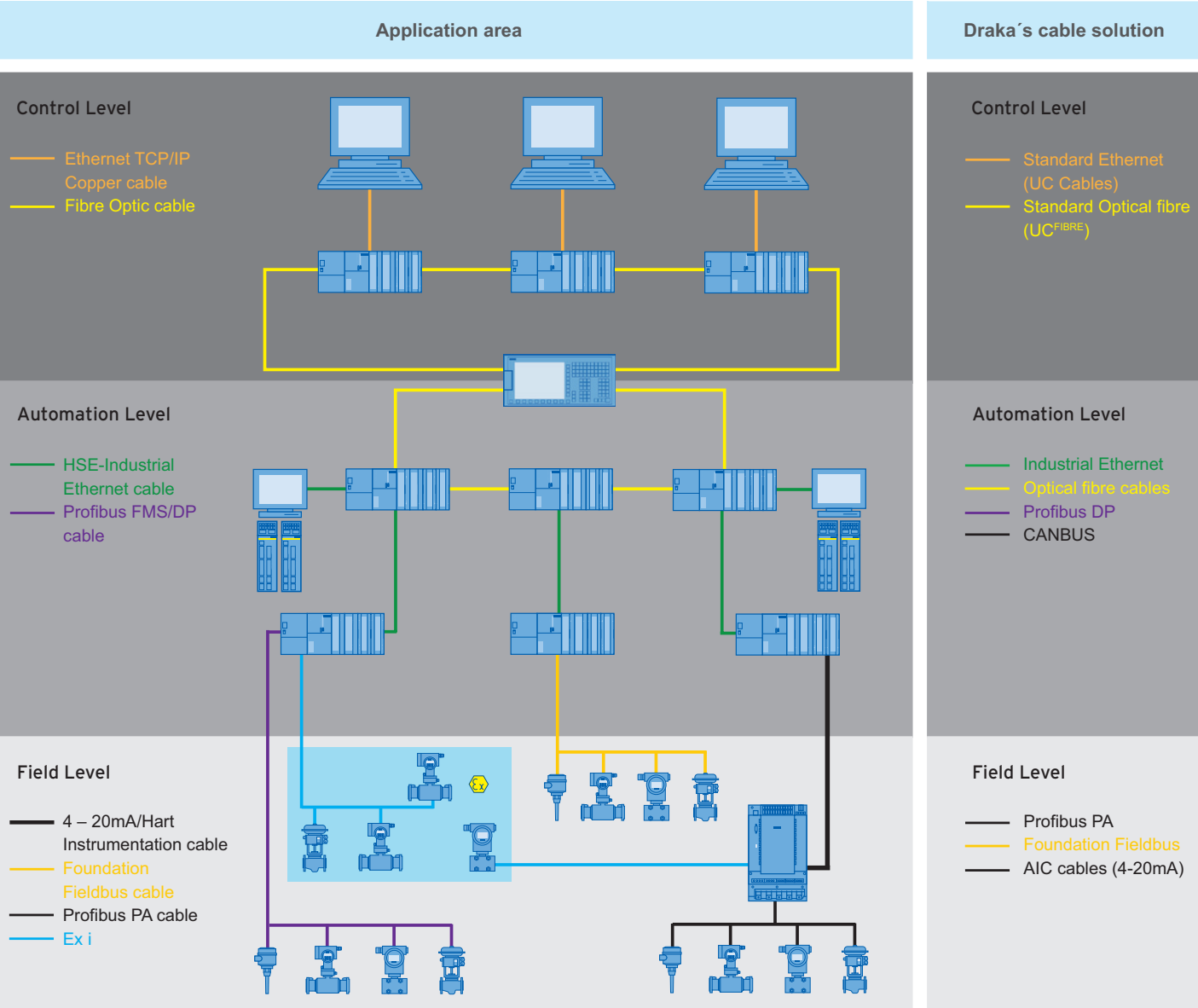
This results in few periods of downtime and, as a result, gains in productivity.



How can we help you build your network?



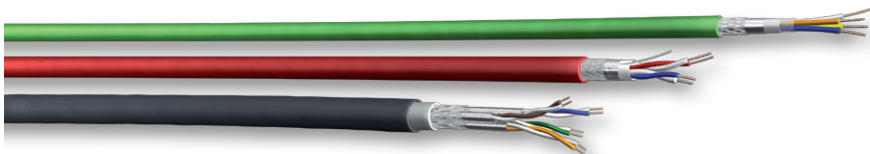
Requirements of the cabling



Product overview

Cable type (acc. to DIN/VDE)	Product Name	Colour
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Industrial Ethernet Cable Range - 100 Ω



2YY(ST)CY 2x2x0,64/1,5-100 Cat.5e	ICS IE FC INST 2x2xAWG22/1 Cat 5e PVC	Green
Li-2YY(ST)CY 2x2x0,75/1,5-100 Cat.5e	ICS IE FC FLEX 2x2xAWG22/7 Cat 5e PVC	Green
Li-2YY(ST)C11Y 2x2x0,75/1,5-100 Cat.5e	ICS IE FC 2x2xAWG22/19 Cat 5e TRAILING PUR	Green
A-02YSC2Y 4x2x0,56 PiMF-100 Cat.7	ICS IE UC900 SS23 Cat 7 PE	Black
J-02YSC11Y 4x2x0,56 PiMF-100 Cat.7	ICS IE UC900 SS23 Cat 7 PUR	Green
J/A-02YSC(L)H 4x2x0,56 PiMF-100 Cat.7	ICS IE UC900 SS23 Cat 7 (L)H LSHF-FR	Black
Li-02YSC11Y 4x2x0,42 PiMF-100 Cat.7	ICS IE UC900 SS27 Cat 7 PUR	Red
Li-2YCH 4x2xAWG24/7 PiMF-100 Cat.5e	ICS IE ToughCat 5e LSHF-FR	Grey
Li-2YCHH 4x2xAWG24/7 PiMF-100 Cat.5e	ICS IE ToughCat 5e LSHF-FR MUD	Black
Li-2YCH 4x2xAWG23/7 PiMF-100 Cat.7	ICS IE ToughCat 7 LSHF-FR	Grey
Li-2YCHH 4x2xAWG23/7 PiMF-100 Cat.7	ICS IE ToughCat 7 LSHF-FR MUD	Black
02YSCH 4x2xAWG23/1 PiMF-100 Cat.7	ICS IE ToughCat 7S LSHF-FR	Grey
02YSC(F)H 4x2xAWG23/1 PiMF-100 Cat.7	ICS IE SuperCat 7S LSHF	Black
J-2Y/2G(St)CH 1x2x0.65-100	ICS IE FIRETUF DATA 1P LSHF-FR	Red
J-2Y/2G(St)CH 2x2x0.65-100	ICS IE FIRETUF DATA 2P LSHF-FR	Red
J-2Y/2G(St)CH 4x2x0.65-100	ICS IE FIRETUF DATA 4P LSHF-FR	Red

PROFIBUS DP 150 Ω



02YS(ST)CH 1 x 2 x 0.64/2.55-150	ICS PB DP BASIC 1x2xAWG22/1 LSHF	Violet
02YSH(ST)CH 1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22/1 LSFH-FR	Violet
Li-02YY(ST)C11Y 1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22/19 TRAILING PUR	Petrol
Li-02YY(ST)C11Y 1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22/19 PUR	Violet
02YSH(ST)CH2Y 1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22/1 PE	Black
02YSH(ST)CHQH 1 x 2 x 0.64/2.55-150	ICS PB DP FC 1x2xAWG22/1 SWB FRNC	Violet

PROFIBUS PA 100 Ω



02YSY(ST)CY 1 x 2 x 1.05/2.55-100	ICS PB PA FC 1x2xAWG18/1 PVC	Black or blue
Li-02YSH(ST)CH 1 x 2 x 1.2/2.55-100	ICS PB PA FC 1x2xAWG18/7 LSFH-FR	Black or blue
Li-02YSY(ST)CY 1 x 2 x 1.3/2.55-100	ICS PB PA FC 1x2xAWG18/19 PVC	Black or blue
Li-2YY(ST)CY 1 x 2 x 1.53/3.25-100	ICS PB PA FC 1x2xAWG16/7 PVC	Black or blue
Li-02YSY(ST)CYQY 1 x 2 x 1.2/2.55-100	ICS PB PA FC 1x2xAWG18/7 SWB PVC	Black or blue
02YSY(ST)CYBY 1 x 2 x 1.05/2.55-100	ICS PB PA FC 1x2xAWG18/1 GST PVC	Black or blue

Cable type (acc. to DIN/VDE)	Product Name	Colour
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FOUNDATION FIELDBUS FF 100 Ω



02YSY(ST)CY 1 x 2 x 1.05/2.55-100	ICS FF FC 1x2xAWG18/1 PVC	Yellow
Li-02YSH(ST)CH 1 x 2 x 1.2/2.55-100	ICS FF FC 1x2xAWG18/7 LSHF-FR	Yellow
Li-02YSY(ST)CY 1 x 2 x 1.3/2.55-100	ICS FF FC 1x2xAWG18/19 PVC	Yellow
Li-2YY(ST)CY 1 x 2 x 1.53/3.25-100	ICS FF FC 1x2xAWG16/7 PVC	Yellow
Li-02YSY(ST)CYQY 1 x 2 x 1.2/2.55-100	ICS FF FC 1x2xAWG18/7 SWB PVC	Yellow
02YSY(ST)CYBY 1 x 2 x 1.05/2.55-100	ICS FF FC 1x2xAWG18/1 GST PVC	Yellow

CANBUS



Li-09YSC12Y 2 x 0.38 mm ² -120	ICS CANBUS 1x2x0.38 mm ² PBT	Black
Li-2YC12Y 2 x 2 x 0.22 mm ² -120	ICS CANBUS 2x2x0.22 mm ² PBT	Black
Li-09YS(St)C11Y LSZH 2 x 0.35 mm ² -120	ICS CANBUS 1x2x0.35 mm ² PUR	Black
Li-2YC11Y 2 x 2 x 0.22 mm ² -120	ICS CANBUS 2x2x0.22 mm ² PUR	Black

LON



LONAK 2x2x0.65 PVC	ICS LONAK® 2x2x0.65 PVC	Grey
LONAK 2x2x0.8 PVC	ICS LONAK® 2x2x0.8 PVC	Grey
LONAK 2x1.3 mm ² PVC	ICS LONAK® 1x2x1.3 mm ² PVC	Grey
LONAK 2x1.3 mm ² ARM PVC	ICS LONAK® 1x2x1.3 mm ² GST PVC	Black

EIB



1x2x0.8 PVC	ICS EIB 1x2x0.8 PVC	White
2x2x0.8 PVC	ICS EIB 2x2x0.8 PVC	White
1x2x0.8 LSFROH	ICS EIB 1x2x0.8 LSHF	White
2x2x0.8 LSFROH	ICS EIB 2x2x0.8 LSHF	White

For every application there is an extended range of optical fibre cables available.