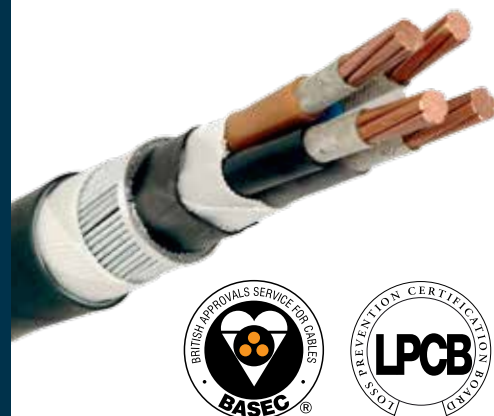


NX600 ENHANCED FIRE RESISTANT POWER CABLE

KEEP VITAL CIRCUITS ALIVE IN A FIRE

BASEC and LPCB approved
Compliant to BS7846-F120



Nexans, a global expert in cables and cabling solutions, brings you the NX600 fire resistant fire cable. A quality, approved and locally stocked cable, backed by years of manufacturing experience and industry-leading technical support and product training.

If you are a Consultant, Wholesaler or Contractor, here's how Nexans can help you:

CONSULTANTS

- BASEC and LPCB approved
- Compliant to BS7846-F120
- Industry approved product training
- UK based technical support
- Manufacturing plant qualification capabilities
- Bespoke design capabilities
- CSR, Nexans Excellence Way – producing and distributing better
- R&D – Customer driven research, focusing on innovation

WHOLESALEERS

- BASEC and LPCB approved
- Compliant to BS7846-F120
- Industry approved product training
- UK based technical support
- Stock available in the UK for immediate dispatch
- Cut to length service available in the UK
- Delivering excellence to you and your customers, and your locations, by our award winning logistics partner

CONTRACTORS

- BASEC and LPCB approved
- Compliant to BS7846-F120
- Industry approved product training
- UK based technical support
- Available from our wholesale partners supported by our UK logistics centre
- Stock available in the UK for immediate dispatch
- Cut to length service available in the UK
- Delivering excellence to UK locations by our award winning logistics partner
- UK based project team and dedicated manager



NEXANS FIRE RESISTANT CABLES

KEEP VITAL CIRCUITS ALIVE IN A FIRE

REQUIREMENT

BS 8519 is a Code of Practice for the selection of fire resistant cables and systems for life safety and fire fighting applications.

Greater emphasis is now being given to circuit integrity. Active fire safety systems such as sprinklers and smoke evacuation systems are required to operate both in evacuation and fire-fighting phases.

Designed for use in large complex buildings like stadiums, airports, hospitals, hi-rise offices and residential buildings, Nexans NX600 fully meets BS7846-F120 requirements to maintain circuit integrity even through the most extreme fire conditions.

APPLICATION

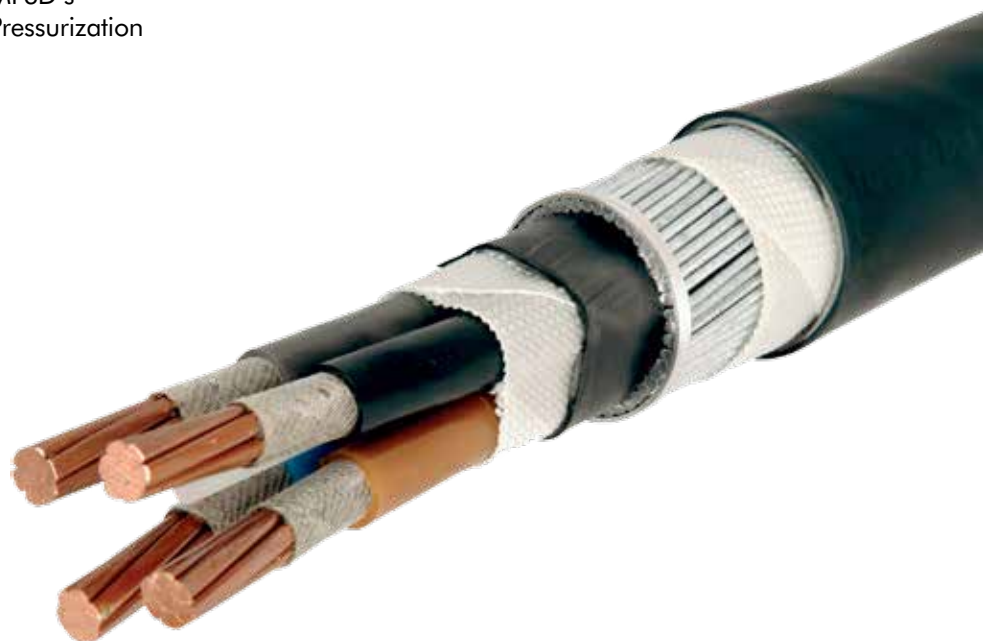
Built to release low levels of toxic fumes when burning, the NX600 is approved for 120 minute applications as described in BS8519 for use with fire safety engineering systems such as:

- Fire Fighting Lifts
- Car Park Smoke Control
- Smoke Barriers – Supply and Control
- Fire Barriers – Supply and Control
- Smoke Curtains – Supply and Control
- Powered Chimneys and Controlled MFSD's
- Pressurization

SERVICE

Added value services for our UK customers:

- Stocked in the UK
- Available for immediate despatch
- Cut to length service
- Industry approved product training
- UK based technical support
- Award winning logistics



STANDARDS

BS 8519
BS 8491 120 MINUTES
BS 7846 F120
BS EN 60332-1-2
BS EN 60332-3-24
BS EN 60754-1
BS EN 61034-2
BASEC AND LPCB APPROVED

CHARACTERISTICS

Construction

Conductor	Copper – class 2
Insulation	Mica tape + XLPE
Inner Sheath	Woven glass tape
Bedding	LSOH
Armouring	Steel wire
Under sheath	Woven glass tape
Outer Sheath	Black LSOH

Electrical

Rated Voltage	0.6/1kV
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Usage

Minimum installation temperature 0°C
Maximum operating temperature 90°C
Short-circuit max. conductor temperature 250°C
Minimum bending radius: 8D



Conductor Flexibility
Standard Class 2



Minimum Installation
Temperature 0°C



Fire Resistant
BS 8491-120 min



Rated Voltage
 U_0/U (Um) 0.6/1kv



Maximum Operating
Temperature 90°C



Flame Retardant
IEC 60332-3 Cat.C

3 CORE – TECHNICAL DATA

Cross section	Nominal outer diameter	Approximate cable weight	Max conductor resistance at 20°C	Current rating three phase AC clipped direct	Current rating three phase AC in free air or on a perforated tray horizontal or vertical
mm	mm	kg/km	ohms/km	amps	amps
4	23.4	950	4.61	42	44
6	24.7	1100	3.08	53	56
10	25.2	1200	1.83	73	78
16	27.4	1500	1.15	94	99
25	31.7	2000	0.727	124	131
35	34.0	2500	0.524	154	162
50	32.7	2750	0.387	187	197
70	36.4	3500	0.268	238	251
95	41.0	4750	0.193	289	304
120	44.5	5500	0.153	335	353
150	49.3	7000	0.124	386	406
185	53.4	8250	0.099	441	463
240	58.7	10500	0.075	520	456
300	63.7	12500	0.060	599	628
400	71.1	15500	0.047	673	728

4 CORE – TECHNICAL DATA

Cross section	Nominal outer diameter	Approximate cable weight	Max conductor resistance at 20°C	Current rating three phase AC clipped direct	Current rating three phase AC in free air or on a perforated tray horizontal or vertical
mm	mm	kg/km	ohms/km	amps	amps
4	24.7	1100	4.61	42	44
6	26.2	1200	3.08	53	56
10	27.8	1500	1.83	73	78
16	29.3	1700	1.15	94	99
25	34.0	2500	0.727	124	131
35	36.6	3000	0.524	154	162
50	35.2	3250	0.387	187	197
70	40.3	4500	0.268	238	251
95	44.6	5750	0.193	289	304
120	49.5	7250	0.153	335	353
150	54.0	8500	0.124	386	406
185	58.8	10500	0.099	441	463
240	64.8	13000	0.075	520	456
300	71.7	16000	0.060	599	628
400	82.5	21000	0.047	673	728

For more information about the NX600 or any other of our products and services, please contact Nexans sales and support on 01908 250850

Or email us at: sales.uk@nexans.com

www.nexans.co.uk



All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

WHAT CAN WE DO FOR YOU?

ADDED VALUE SERVICES FOR UK CUSTOMERS

OUR CAPABILITIES:

Significant stock

- 6000m² warehouse facilities
- 4500m² yard
- 2000 pallet locations
- Stocking profile includes: LSOH SWA, NX600, H07RN-F, MV & Waveform cable

Cutting facilities

- 275 cutting bays
- 14 cutting machines

Logistics performance

- 24/48hr delivery
- 95-98% OTIF

OUR SERVICES:

Milton Keynes logistics centre

- Significant stock for flow business (day to day)
- Stocking solutions for projects

UK based technical support

- Help with product selection
- Product regulations/compliance
- Product design and consultation service
- Online services
- Technical training
- CPD verified training courses



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DERRICK
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