CLEVELAND CABLE COMPANY

DATA CENTRES

Cable Solutions for Data Centre Infrastructure



CLEVELAND CABLE
COMPANY

DELIVERING THE FUTURE



CONTENTS

CABLE PORTFOLIO

6–14 LOW VOLTAGE

15–17 FIRE-RESISTANT

18–19 EARTHING

20–25 MEDIUM VOLTAGE

26–27 INSTRUMENTATION

28 CABLE APPLICATION GUIDE
Find the right cable for your data centre application

29 CUSTOMER JOURNEY
Supporting your project from enquiry to delivery

30–33 ACCESSORY PARTNERS
CMP, Legrand, Wallis and Nexans

34–35 QUALITY & COMPLIANCE
Testing, certification and quality assurance

36–37 LOGISTICS & GLOBAL REACH
National coverage and worldwide delivery

38–39 SUSTAINABILITY
Supporting the transition to net zero







TRUSTED FOR ALMOST 50 YEARS

Cleveland Cable Company is the largest cable and cable accessory supplier in the UK and Ireland. With the industry's largest stockholding and an extensive branch network, we deliver trusted cable solutions wherever they are needed, supporting some of the most demanding industries and major projects worldwide. We continually expand our cable range, capabilities and technology to meet evolving customer needs and serve new markets.

We're proud to be the world's first BASEC Registered Stockist, demonstrating our commitment to the highest standards of quality, safety and reliability. Every product we supply conforms to the relevant standards, with cables approved by BASEC where applicable. Our ISO 9001 Quality Management, ISO 14001 Environmental Management and ISO 45001 Occupational Health and Safety certifications underline our commitment to quality, environmental responsibility and workplace safety.

With £160 million of stock for immediate dispatch, 17 hubs across the UK, Ireland, Europe and the UAE, and worldwide logistics by air and sea, we can support projects wherever they are based. Supplier partnerships ensure reliable delivery and pricing.

As a family-owned business, we combine technical expertise with exceptional customer service to deliver complete cable solutions. Continued investment in our people and products ensures we remain responsive to changing industry needs.



N2XH Cable • 0.6/1kV
CU, XLPE, LSZH • 1.5mm²–630mm²

European low voltage power cables for electricity supply in fixed installations, particularly in public buildings. Suitable for installation on cable trays, in conduits or fixed to walls. Not suitable for direct burial.

Voltage Rating
0.6/1kV
1.8kV DC

Flame Retardancy
BS EN 60332-3-24

Temperature Limits
Fixed installation: −30°C to +90°C
Flexing: −5°C to +90°C

Minimum Bending Radius
10 × overall diameter

Class 5 N2XH also available in single core and multicore.



N2XH Single Core Cable • 0.6/1kV AC
Class 2 CU, XLPE, LSZH • 1.5mm²–630mm²

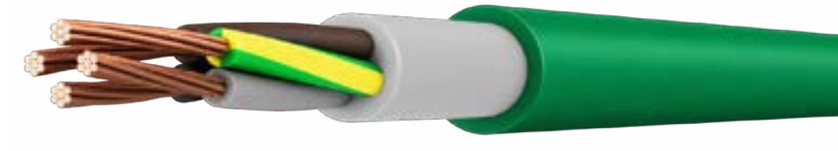
Single core low-voltage power cable with a Class 2 stranded copper conductor, XLPE insulation and an LSZH outer sheath. Designed for fixed installations on cable trays, in conduits or fixed to walls. Not suitable for direct burial.

Voltage Rating
0.6/1kV AC
1.8kV DC

Flame Retardancy
BS EN 60332-3-24

Temperature Limits
Fixed installation: -30°C to +90°C
Flexing: -5°C up to +90°C

Minimum Bending Radius
10 × overall diameter



RZ1-K Power Cable • 0.6/1kV
Class 5 CU, XLPE, LSZH • 1.5mm²–630mm²

Flexible low-voltage power cables for fixed installations. Suitable for complex routes commonly found in data centres and renewable energy installations. The cable can be installed outdoors, in conduits or buried where permitted by local regulations. Its flame-retardant LSZH outer sheath helps reduce smoke and corrosive gas emissions in the event of fire.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature range: −15°C to +90°C

Minimum Bending Radius
5 × overall diameter



RZ1-K (AS) Flexible Cable • 1.8/3(3.6)kV
Class 5 CU, XLPE, LSZH • 95mm²–400mm²

Single core flexible power and control cables for indoor, outdoor and underground lighting installations. The UV-resistant LSZH outer sheath helps reduce smoke and corrosive gas emissions in the event of fire.

Voltage Rating
1.8/3(3.6)kV

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3

Temperature Limits
Temperature range: −30°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
5 × overall diameter
(25mm ≤ D ≤ 50mm)
6 × overall diameter (D > 50mm)



YMz1K mbzh Cable • 0.6/1kV
Class 1/2 CU, XLPE, LSZH • 1.5mm²–300mm²

Low-smoke zero-halogen power cables for fixed installations where enhanced fire safety is required. Suitable for public and government buildings, offices, factories, warehouses, depots and data centres. Cables can be installed on cable trays, in conduits or fixed to walls. The LSZH bedding and outer sheath help minimise smoke and corrosive gas emissions in the event of fire. As the cable is unarmoured, protection from mechanical impact, excessive pulling forces and sharp surfaces may be required.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature range: −15°C to +90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
12 × overall diameter



FG16M16 Power Cable • 0.6/1kV
Class 5 CU, HEPR, LSZH • 1.5mm²–630mm²

Flexible single core power cables with HEPR insulation and an LSZH outer sheath. Resistant to oils, greases and chemicals, with reduced smoke and corrosive gas emissions in the event of fire. CPR classified Cca-s1b,d1,a1.

Voltage Rating
0.6/1kV AC
0.9/1.5kV DC

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range: −15°C to +90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
4 × overall diameter



ExtremeFlex90 Mains & Control Cable • 0.6/1kV
Class 5 Copper, EPR, CPE • 1mm²–630mm²

ExtremeFlex90 is a flexible 90°C EPR cable with high resistance to mechanical stress, water, weather and UV exposure. Suitable for fixed and temporary installations, it can be used on worksites, with mobile power supplies, in ports, harbours, water treatment plants, drainage systems and harsh industrial environments. It is suitable for burial in ducts and available from 1mm² to 630mm² in various core configurations. It can be cut to standard 5m, 10m, 15m and 25m patch leads or bespoke lengths and fitted with various terminals.

Voltage Rating
Fixed: 0.6kV/1kV
Flexing: 450/750V

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature range:
-40°C to +90°C

Minimum Bending Radius
(Less than 12mm²): 3 × overall diameter
(More than 12mm²): 4 × overall diameter



H07ZZ-F Cable • 450/750V
Class 5 CU, LSZH • 1mm²–630mm²

Flexible cable resistant to mechanical stress, water and weather. Suitable for construction sites, mobile power supplies and power units, UPS installations, stage lighting and audio-visual equipment. Its Low Smoke Zero Halogen (LSZH) insulation and sheath make it suitable for internal installations under the Construction Products Regulations 2017.

Voltage Rating
Flexing: 450/750V
Fixed: 0.6/1kV

Flame Retardancy
IEC/EN 60332-1-2

Temperature Limits
Fixed installation: −25°C to +90°C

Minimum Bending Radius
Fixed: 4 × overall diameter
Flexing: 6 × overall diameter



N2XCH Cable • 0.6/1kV
CU, XLPE, CWS, FRNC • 1.5mm²–120mm²

High-performance low voltage power and control cables for permanent installations requiring fire safety and electromagnetic compatibility. Manufactured to VDE 0276-604 and IEC 60502-1. The LSZH outer sheath reduces smoke and corrosive gas emissions during a fire, helping maintain visibility. Suitable for internal installation in high-risk areas and external installation on cable racks or in trunking. Not suitable for direct burial or installation where water is present.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-3-24

Temperature Limits
Fixed installation: −30°C to +70°C
Flexing: −5°C to +70°C

Minimum Bending Radius
15 × overall diameter



BS 6724 Mains and Control Cable • 0.6/1kV
CU, XLPE, SWA, LSZH • 1.5mm²–16mm²

Armoured power and control cables for installation indoors, outdoors, underground and in cable ducts. Suitable for installations where fire, smoke emissions and toxic fumes pose a risk to life and equipment, including public buildings, airports, railway stations, computer rooms and data centres.

Voltage Rating
0.6/1kV
Also available: 1.9/3.3kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Max operating temp: +90°C

Minimum Bending Radius
Fixed: 6 × overall diameter



BS 6724 Mains Cable • 0.6/1kV
CU, XLPE, SWA, LSZH • 25mm²–400mm²

Armoured power cables for installation indoors, outdoors, underground and in cable ducts. Suitable for locations where fire, smoke emissions and toxic fumes pose a risk to life and equipment, including public buildings, airports, railway stations, computer rooms and data centres.

Voltage Rating
0.6/1kV
Also available: 1.9/3.3kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Max operating temp: +90°C

Minimum Bending Radius
Fixed: 8 × overall diameter



6941AB Power Cable • BS6724 • 0.6/1kV
CU, XLPE, AWA, LSZH • 50mm²–1000mm²

Designed for use in AC circuits, the aluminium armour prevents magnetic build-up. Suitable for power networks and direct burial where fire and emissions of smoke and toxic fumes create a serious potential threat.

Voltage Rating
0.6/1kV
***Also available:* 1.9/3.3kV**

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature range:
-20°C to +90°C

Minimum Bending Radius
Fixed: 8 × overall diameter



BS 5467 Mains & Control Cable • 0.6/1kV CU, XLPE, SWA, PVC • 1.5mm²–16mm²

Armoured mains and auxiliary control cables for power networks. Suitable for indoor, outdoor and underground installations, including installation in cable ducts.

Voltage Rating
0.6/1kV
Also available: 1.9/3.3kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range:
-25°C to +90°C

Minimum Bending Radius
Fixed: 6 × overall diameter
Flexing: 8 × overall diameter



BS 5467 Mains Cable • 0.6/1kV CU, XLPE, SWA, PVC • 25mm²–400mm²

Armoured power and auxiliary control cables for power networks. Suitable for indoor, outdoor and underground installations, including installation in cable ducts.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range:
-25°C to +90°C

Minimum Bending Radius
Fixed: 8 × overall diameter



6941AX Mains Cable • BS5467 • 0.6/1kV CU, XLPE, AWA, PVC • 50mm²–1000mm²

General single core control and power cable for fixed wiring and power networks. Suitable for underground, indoor and outdoor installation in cable ducts. This cable is BASEC approved.

Voltage Rating
0.6/1kV
Also available: 1.9/3.3kV

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Fixed: -25°C to +90°C

Minimum Bending Radius
8 × overall diameter



BS 5467 Solid Aluminium Mains Cable • 0.6/1kV Solid AL, XLPE, SWA, PVC • 25mm²–300mm²

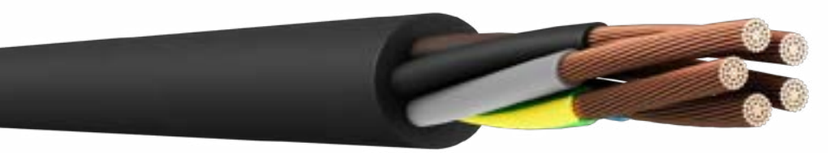
Solid aluminium armoured mains cable for power networks. Suitable for indoor, outdoor and underground installations, including installation in cable ducts. Steel wire armour provides mechanical protection.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range: −25°C to +90°C

Minimum Bending Radius
Fixed: 18 × overall diameter



RV-K Flexible Power Cable • 0.6/1kV
Class 5 CU, XLPE, PVC • 1.5mm²–240mm²

RV-K is a flexible low-voltage power distribution cable manufactured to IEC 60502-1 and UNE 21123-2. Its Class 5 copper conductors make it suitable for complex routes in data centres and renewable installations. It can be buried, installed in conduit or used outdoors without additional protection, where permitted. Rated AD8 for water resistance, it permits permanent submersion to 5m. It is also available as a flexible LSZH cable in the RZ1-K range.

Voltage Rating
AC: 0.6/1(1.2)kV
DC: 0.9/1.8kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range:
-15°C to +90°C

Minimum Bending Radius
5 × overall diameter



RV-K Single Core Cable • 1.8/3(3.6)kV
Class 5 CU, XLPE, PVC • 50mm²–630mm²

Single core RV-K 1.8/3kV is a flexible distribution cable manufactured to IEC 60502-1, with UV resistance to UNE 211605. Its Class 5 copper conductors make it suitable for complex routes in data centres and renewable installations. It can be buried, installed in conduit or used outdoors without additional protection, where permitted by local regulations. CPR-compliant and rated AD8 for water resistance, its PVC outer sheath provides protection against rodents.

Voltage Rating
1.8/3(3.6)kV

Flame Retardancy
BS EN/IEC 60332-1

Temperature Limits
Fixed: -40°C to +90°C
Flexing: -15°C to +90°C
Min installation temp: -10°C

Minimum Bending Radius
Fixed: 8 × overall diameter



F2 Fire Resistant Mains Cable • 0.6/1kV
Class 2 CU, MGT, XLPE, SWA, LSZH • 1.5mm²–35mm²

Fire-resistant armoured mains cable for fixed installations, including power circuits, fire alarm systems and emergency lighting. Manufactured to BS 7846 F2 and BS 6387 Cat CWZ, with mica-glass fire-barrier tape, XLPE insulation, steel wire armour and LSZH bedding and outer sheath to reduce smoke and corrosive gas emissions during a fire.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: −20°C to +90°C

Minimum Bending Radius
Flexing: 8 × overall diameter



F120 Enhanced Fire Resistant Cable • 0.6/1kV
Class 2 CU, MGT, XLPE, SWA, LSZH • 4mm²–400mm²

Enhanced fire-resistant armoured mains cable for fixed installations, including power circuits, fire alarm systems and emergency lighting. Manufactured to BS 7846 F120 and designed to meet BS 8491, providing resistance to fire, direct impact and water jets such as those produced by firefighting equipment.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
8 × overall diameter

FIRE-RESISTANT CABLES



Standard Fire Alarm and Security Cable • 300/500V CU, Silicone, AL/PET, LSZH • 1mm²–4mm²

Standard fire-resistant alarm and security cable for fire detection, fire alarm, voice alarm and emergency lighting circuits. Designed to maintain circuit integrity for 30 minutes under fire conditions and recommended for general use in low-rise buildings up to 10 storeys.

Voltage Rating
300/500V

Fire Performance
BS EN/IEC 60332
BS 6387 Cat CWZ

Temperature Limits
Temperature range: −40°C to +90°C

Minimum Bending Radius
6 × overall diameter



Enhanced Fire Alarm and Security Cable • 300/500V CU, MGT, Silicone, AL/PET, LSZH • 1.5mm²–4mm²

Enhanced fire-resistant alarm and security cable for fire detection, fire alarm, voice alarm and emergency lighting circuits. Designed to maintain circuit integrity for 120 minutes under fire conditions. Recommended for multiple-phase evacuation systems in tower blocks and multi-storey buildings.

Voltage Rating
300/500V

Fire Performance
BS 7629-1 Enhanced
BS 6387

Temperature Limits
Temperature range: −40°C to +90°C

Minimum Bending Radius
6 × overall diameter



N2XHFR Single core Fire Resistant Cable • 0.6/1kV Class 2 CU, MGT, XLPE, LSZH • 4mm²–630mm²

Fire-resistant, halogen-free cables for fixed installations where protection of people and equipment is required during a fire. Suitable for dry or wet environments in public buildings, hotels, airports, hospitals, offices and industrial complexes. Available in single core and multicore configurations, with a UV-resistant LSZH outer sheath. Not suitable for direct burial in earth or water.

Voltage Rating
0.6/1kV

Flame Retardancy
IEC 60332-3-24

Temperature Limits
Fixed: −40°C to +90°C

Minimum Bending Radius
8 × overall diameter



6491F Fire Resistant Single Core Cable • 0.6/1kV Class 2 CU, MGT, LSZH • 1.5mm²–630mm²

Fire-resistant single core cables for fire detection, fire alarm, voice alarm and emergency lighting circuits. Stranded copper conductors with mica-glass fire protection tape and a low smoke zero halogen covering help maintain circuit integrity during a fire while reducing smoke and corrosive gas emissions.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Fixed: −20°C to +90°C

Minimum Bending Radius
6 × overall diameter



6491B / H07Z-R Cable • 450/750V Copper, LSZH • 1.5mm²–630mm²

Most suited for use in conduit and in fixed, protected installations. It can be used in lighting installations, switchgear, control gear and appliances. The Low Smoke Zero Halogen outer sheath is ideal for applications where fire, smoke emissions and toxic fumes could pose a threat.

Voltage Rating
450/750V

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature range: 0°C to +90°C

Minimum Bending Radius
Fixed: 6 × overall diameter



6491X / H07V-R Cable • 450/750V Copper, PVC • 1.5mm²–630mm²

6491X is a general-purpose PVC earth cable for fixed installations in trunking or conduit. It may also be surface-mounted. The cable features a stranded, plain annealed, compacted circular copper conductor and a PVC outer sheath. Manufactured to BS EN 50525-2-31, it has the harmonised code H07V-R and is BASEC approved.

Voltage Rating
450/750V

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Fixed: -15°C to +70°C

Minimum Bending Radius
(Less than 12mm²): 3 × overall diameter
(More than 12mm²): 4 × overall diameter
(More than 25mm²): 5 × overall diameter



2491B / 6701B / H05Z-K Cable • 300/500V Flexible Copper, LSZH • 0.75mm²–300mm²

Single core 2491B flexible cable is primarily used for wiring appliances and in metering and switchgear. Its Low Smoke Zero Halogen outer sheath makes it suitable for areas with high pedestrian footfall, such as hospitals, supermarkets, airports and offices, where toxic fumes and emissions could pose a health hazard. The cable features a flexible plain annealed copper conductor and an LSZH outer sheath.

Voltage Rating
300/500V
Also available: 450/750V (H07Z-K)

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: -25°C to +90°C

Minimum Bending Radius
Up to 35mm²: 4 × overall diameter
Above 35mm²: 6 × overall diameter



Tri-Rated Panel Wiring Cable • 0.6/1kV Class 5 CU, PVC • 0.5mm²–400mm²

Flexible, high-temperature, flame-retardant panel wiring cable for instrumentation panels, motor starters and power switchgear. It features Class 5 flexible plain annealed copper conductors and a circular high-temperature PVC outer sheath. Tri-rated versions are approved to BS 6231, UL and CSA standards, with bi-rated UL and CSA-approved options also available.

Voltage Rating
0.6/1kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
BS 6231: −15°C to +90°C
UL/CSA: −15°C to +105°C

Minimum Bending Radius
6 × overall diameter

MV CABLES



N2XS2Y Power Cable • 18/30kV
CU, XLPE, CTS, MDPE • 50mm²–630mm²

Medium voltage power cables for renewable energy and data centre distribution networks. Suitable for external installation on cable trays, in conduits or fixed to walls, and for burial in ducts. UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range: –20°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C up to 5 sec

Minimum Bending Radius
15 × overall diameter



N2XSY Power Cable • 18/30kV
CU, XLPE, CWS, PVC • 50mm²–800mm²

Medium voltage power cables for renewable energy and data centre distribution networks. Suitable for external installation on cable trays, in conduits or fixed to walls, and for burial in ducts where there is no risk of water ingress. UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
15 × overall diameter



WATER-BLOCKING OPTIONS
N2XS2Y, N2XSY, N2XSH, NA2XS2Y, NA2XSY and NA2XSH are available with longitudinal (F) or longitudinal and radial (FL) water blocking.



N2XSH Power Cable • 18/30kV
CU, XLPE, CWS, LSZH • 50mm²–630mm²

Medium voltage LSZH power cables for renewable energy and data centre distribution networks. The low smoke zero halogen outer sheath reduces smoke and corrosive gas emissions in the event of fire, helping protect people and equipment. Suitable for internal and external installation on cable trays, in conduits or fixed to walls, and for burial in ducts. UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature range: –20°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C up to 5 sec

Minimum Bending Radius
15 × overall diameter



NA2XS2Y Power Cable • 18/30kV
AL, XLPE, CWS, MDPE • 50mm²–630mm²

Medium voltage aluminium power cables for renewable energy and data centre distribution networks. Suitable for external installation on cable trays, in conduits or fixed to walls, and for burial in ducts. UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range: –20°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C up to 5 sec

Minimum Bending Radius
15 × overall diameter



NA2XSY Power Cable • 18/30kV
AL, XLPE, CWS, PVC • 50mm²–630mm²

Medium voltage aluminium power cables for renewable energy and data centre distribution networks. Suitable for external installation on cable trays, in conduits or fixed to walls, and for burial in ducts. UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Temperature range: −20°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C up to 5 sec

Minimum Bending Radius
15 × overall diameter



NA2XSH Power Cable • 18/30kV
AL, XLPE, CWS, LSZH • 50mm²–630mm²

Medium voltage aluminium power cables for renewable energy and data centre distribution networks. Suitable for external installation on cable trays, in conduits or fixed to walls, and for burial in ducts. Low smoke zero halogen, UV-resistant outer sheath.

- **Standards: IEC 60502-2 or HD 620 S2**

Voltage Rating
18/30kV
Also available: 6/10kV, 12/20kV

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature range: −20°C to +60°C
Max operating temp: 90°C
Max short-circuit temp: 250°C up to 5 sec

Minimum Bending Radius
15 × overall diameter



BS 7835 Single Core Cable • 6.35/11(12)kV
CU, XLPE, CTS, AWA, LSZH • 50mm²–630mm²

Medium voltage single core armoured power cables for fixed installations in power networks, industrial sites, power stations and substations. Suitable for indoor or outdoor installation, cable trays and ducts, and direct burial in free-draining soil. Copper conductors with XLPE insulation, various screen and water-blocking options, aluminium wire armour, and UV-resistant LSZH bedding and outer sheath.

Voltage Rating
6.35/11(12)kV
Also available: 12.7/22(24)kV, 19/33(36)kV

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
15 × overall diameter



BS 7835 3-Core Cable • 6.35/11(12)kV
CU, XLPE, CTS, SWA, LSZH • 35mm²–400mm²

Medium voltage 3-core armoured power cables for fixed installations in power networks, industrial sites, power stations and substations. Suitable for indoor or outdoor installation, cable trays and ducts, and direct burial in free-draining soil. Copper conductors with XLPE insulation, screen and water-blocking options, steel wire armour, and UV-resistant LSZH bedding and outer sheath.

Voltage Rating
6.35/11(12)kV
Also available: 12.7/22(24)kV, 19/33(36)kV

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
12 × overall diameter



BS 6622 Single Core Cable • 6.35/11(12)kV CU, XLPE, AWA, PVC • 50mm²–800mm²

Medium voltage single core armoured power cables for fixed installations in power networks, industrial sites, power stations and substations. Suitable for indoor or outdoor installation, cable trays and ducts, and direct burial in free-draining soil. Copper conductors with XLPE insulation, screen and water-blocking options, aluminium wire armour, and PVC bedding and outer sheath.

Voltage Rating
6.35/11 (12)kV
Also available: 12.7/22kV, 19/33kV

Minimum Bending Radius
15 × overall diameter

Temperature Limits
Temperature range: -15°C to +90°C



BS 6622 3-Core Cable • 6.35/11(12)kV CU, XLPE, SWA, PVC • 25mm²–400mm²

Medium voltage 3-core armoured power cables for fixed installations in power networks, industrial sites, power stations and substations. Suitable for indoor or outdoor installation, cable trays and ducts, and direct burial in free-draining soil. Copper conductors with XLPE insulation, screen and water-blocking options, steel wire armour, and PVC bedding and outer sheath.

Voltage Rating
6.35/11(12)kV
Also available: 12.7/22kV, 19/33kV

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
12 × overall diameter



BS 6622 3-Core Cable • 6.35/11(12)kV CU, XLPE, CTS, SWA, MDPE • 95mm²–300mm²

Suitable for internal installation in buildings, power stations and switchboards, and commonly installed on cable trays for industrial applications. Also suitable for external installation in cable ducts and direct burial in free-draining soil.

Voltage Rating
6.35/11(12)kV

Minimum Bending Radius
12 × overall diameter

Temperature Limits
Temperature range: 0°C to +90°C



BS 6622 3-Core Aluminium Cable • 6.35/11(12)kV STR AL, XLPE, SWA, PVC • 95mm²–300mm²

Medium voltage 3-core armoured power cables with stranded aluminium conductors and XLPE insulation. Available with various screen and water-blocking options, steel wire armour, and PVC bedding and outer sheath. Suitable for indoor or outdoor installation, cable trays and ducts, and direct burial in free-draining soil.

Voltage Rating
6.35/11(12)kV

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Max operating temp: 90°C
Max short-circuit temp: 250°C

Minimum Bending Radius
12 × overall diameter



PAS 5308 Overall-Screened Cable • 300/500V CU, PE, AL/PET, LSZH • 0.5mm²–1.5mm²

Overall-screened instrumentation cables for transmitting analogue and digital signals in communication and control systems. Available in Part 1 and Part 2 constructions for process, industrial and data centre applications.

Available variants: Armoured • PVC or LSZH sheath

Voltage Rating
300/500V

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: −40°C to +70°C

Minimum Bending Radius
Fixed: 6 × overall diameter



PAS 5308 Individually Screened Cable • 300/500V CU, PE, AL/PET, LSZH • 0.5mm²–0.75mm²

Instrumentation cables with individually screened pairs for transmitting analogue and digital signals while reducing interference and crosstalk between circuits. Available in Part 1 and Part 2 constructions for process, industrial and data centre applications.

Available variants: Armoured • PVC or LSZH sheath

Voltage Rating
300/500V

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: −40°C to +70°C

Minimum Bending Radius
Fixed: 6 × overall diameter



BS EN 50288-7 CAT Cable • 300/300V CU, XLPE, AL/PET, LSZH • 0.5mm²–1.5mm²

Collectively screened communications and control cables for transmitting analogue and digital signals. Suitable for internal installation in trays, baskets, ladders, conduits and ducts. External installations require suitable protection where the cable is buried.

Available variants: Armoured • PVC or LSZH sheath

Voltage Rating
300/300V

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: −40°C to +80°C

Minimum Bending Radius
Fixed: 6 × overall diameter



BS EN 50288-7 ICAT Cable • 300/300V CU, XLPE, AL/PET, LSZH • 0.5mm²–1.5mm²

Communications and control cables with individually and collectively screened pairs for transmitting analogue and digital signals. Suitable for internal industrial and data centre installations in trays, ducts and conduits. ICAT screening helps reduce interference and crosstalk between circuits.

Available variants: Armoured • PVC or LSZH sheath

Voltage Rating
300/300V

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Fixed: −40°C to +80°C

Minimum Bending Radius
6 × overall diameter

CABLE APPLICATION GUIDE

Cable	Page	MV Distribution	LV Distribution	Flexible Power & UPS[1]	Controls & Signals	Fire & Life Safety	Earthing & Bonding[2]
N2XH	6		✓				
N2XH Single Core	6		✓	✓			
RZ1-K	7		✓	✓			
RZ1-K (AS)	7		✓	✓	✓		
YMz1K mbzh	8		✓				
FG16M16	8		✓	✓			
ExtremeFlex90	9		✓	✓	✓		
H07ZZ-F	9		✓	✓			
N2XCH	10		✓		✓		
BS 6724	10–11		✓		✓		
6941AB	11		✓				
BS 5467	12		✓		✓		
6941AX	13		✓		✓		
BS 5467 – AL	13		✓				
RV-K	14		✓	✓			
F2	15		✓			✓	
F120	15		✓			✓	
Standard Fire Alarm Cable	16					✓	
Enhanced Fire Alarm Cable	16					✓	
N2XHFR	17		✓			✓	
6491F	17					✓	
6491B / H07Z-R	18				✓		✓
6491X / H07V-R	18						✓
2491B / 6701B / H05Z-K	19				✓		✓
Tri-Rated Cable	19				✓		
N2XS2Y	20	✓					
N2XSY	20	✓					
N2XSH	21	✓					
NA2XS2Y	21	✓					
NA2XSY	22	✓					
NA2XSH	22	✓					
BS 7835	23	✓					
BS 6622	24–25	✓					
PAS 5308	26				✓		
BS EN 50288-7	27				✓		

[1] Includes flexible-conductor cables for fixed power connections; suitability for continuous movement or a particular UPS installation must be confirmed.
[2] Earthing and bonding applications require the appropriate conductor size and identification.

CUSTOMER JOURNEY



From initial enquiry through to delivery and after-sales support, our experienced team works closely with you to understand your requirements, provide expert guidance and keep your project on track.

e sales@clevelandcable.com
t 01642 241 133

1
ENQUIRY
Our experienced team takes the time to understand your requirements and advise on products and specifications

2
QUOTATION
Expert knowledge informs a detailed, tailored quotation based on your specific project requirements

3
ORDER FULFILMENT
Dedicated order management and careful coordination keep your project running smoothly and to schedule

4
QUALITY ASSURANCE
Rigorous testing in our UKAS-accredited laboratory ensures quality, compliance and reliable performance before dispatch

5
EPOD TRACKING
Tracking, photographic evidence and electronic sign-off provide instant, accurate proof of delivery

6
DELIVERY SOLUTIONS
Our extensive logistics network provides fast, flexible delivery across the UK and worldwide, tailored to project timescales

7
AFTER-SALES SUPPORT
Dedicated support continues after delivery, providing expert assistance whenever your project requires it

Our Accessory Partners

Cleveland Cable Company partners with trusted manufacturers to offer a comprehensive range of cable accessories, delivering reliable, high-quality solutions for every installation. Our trusted partner brands provide products designed to complement our cable range and support projects across a wide range of industries and applications.

INDUSTRIAL CABLE GLANDS

For all types of Unarmoured & Braided/Screened Cables



TSP



TSZ

For all types of Unarmoured & Braid Armoured Cable



A2

For all types of Steel & Aluminium Wire Armoured Cables



E1W



CW

CABLE CLEATS



Single



Trefoil



Quad

CABLE LUGS



CMP

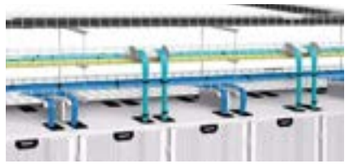
Cable Glands, Cleats & Lugs

CMP is a global leader in innovative cable management solutions designed to deliver compliant and reliable connections, every time.

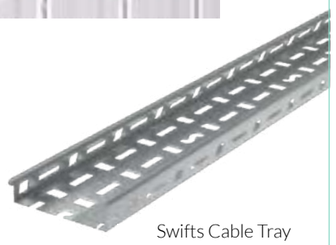
For data centre projects, CMP cable glands, cleats and lugs are engineered to support the secure management of power, control and communication cables across critical infrastructure. Cable glands are commonly supplied in brass, with aluminium, nickel-plated brass and stainless steel options also available, while cable cleats are available in aluminium or stainless steel, depending on the product and application.

The range supports protection against environmental ingress, vibration and mechanical stress, while helping ensure reliable and effective installation – improving electrical performance, enhancing safety, extending asset life and supporting successful project delivery.

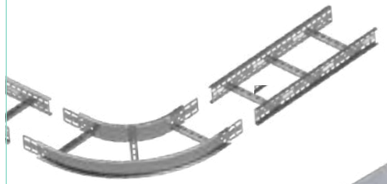
Delivering a complete turnkey service, from design, testing and manufacturing through to installation training, CMP combines engineering expertise with manufacturing excellence to ensure its products meet and often exceed industry standards.



Cablofil
Basket Tray



Swifts Cable Tray



Swifts Cable Ladder



Salamandre
Trunking



Salamandre Secure Trunking

LEGRAND

Cable Management & Containment

Legrand provides innovative cable management and containment systems suitable for data centre infrastructure, supporting the secure and efficient distribution of power, control and communication cables.

Offering solutions including cable tray, cable ladder and trunking, Legrand products support the safe and organised routing of cables throughout data halls, plant rooms and supporting infrastructure. Engineered for strength, reliability and ease of installation, these systems are suited to complex projects where resilience and continuity are essential.

Available in pre-galvanised steel, hot dip galvanised, deep galvanised and stainless steel finishes, these systems can be matched to the installation environment and site conditions, providing effective cable protection and dependable long-term performance.

Our Accessory Partners

Cleveland Cable Company partners with trusted manufacturers to offer a comprehensive range of cable accessories, delivering reliable, high-quality solutions for every installation. Our trusted partner brands provide products designed to complement our cable range and support projects across a wide range of industries and applications.



Conductors
Copper & aluminium tapes, bars, conductors, braids and surge counters.



Earth rods & accessories
Copperbond, copper & stainless steel earth rods, drivers and seals.



Conductor clips & clamps
Metallic & non-metallic clips for tapes and conductors, clamps and connectors.



Earth plates & compounds
Copper & stainless steel earth plates and earthing compounds.



Earth bars
Standard or tinned earth bars, links, telecom and equipotential bonding bars.



Earth rod connectors
Rod-to-tape, rod-to-cable, U-bolt, GUV, rebar and compression connectors.



Earth bonding
Bonding points, earth bars, eyebolts, copper braids and bosses.



Lightning protection
Copper & aluminium air terminals, bases, strike pads, couplers and flanges.



Surge protection
Surge devices for power, data, telecoms and photovoltaic systems.



Exothermic welding
Welding moulds, handle clamps, weld powders and tools.

A.N. WALLIS
Earthing & Lightning Protection

Wallis delivers trusted earthing and lightning protection solutions designed to help safeguard electrical systems and critical infrastructure across a wide range of applications.

With a comprehensive portfolio including earthing products, conductors, earth bars and lightning protection components, Wallis solutions are engineered to provide dependable performance in demanding environments. Their products are designed and manufactured to support safe, effective and long-term installation requirements.

Supported by extensive technical expertise and a commitment to quality, Wallis products are used across industrial, commercial and infrastructure projects worldwide. Designed to meet recognised industry standards, Wallis solutions help ensure reliable protection and system integrity.



Separable Connectors – Interface A



Separable Connectors – Interface C



Coupling Connectors – Interface C



Surge Arresters



Heat-Shrink Terminations – Indoor and Outdoor



Heat-Shrink JTS & Multi-Joints



Pre-Terminated Power Cables

NEXANS
Power Cable Accessories

Nexans Accessories provides cable connection solutions that support reliable power distribution within data centres. Designed for medium-voltage installations, their products connect cables to essential equipment, including transformers, switchgears and RMUs.

Nexans portfolio includes EUROMOLD® separable and coupling connectors, surge arresters, heat-shrink joints, indoor and outdoor terminations, and pre-terminated power cables. These ergonomically designed solutions support flawless secure electrical connections, with compact connector designs offering flexibility where installation space is limited.

Backed by more than 60 years of power accessories expertise, specialist manufacturing and rigorous electrical testing, Nexans combines product innovation with proven engineering knowledge. In data-centre power infrastructure, where uptime is paramount, Nexans accessories enable safe, reliable installation and deliver dependable long-term performance.





✓ TEST ✓ VERIFY ✓ ASSURE

TESTED FOR QUALITY PROVEN TO PERFORM

Underpinning our long-standing commitment to excellence, Cleveland Cable Company's purpose-built, UKAS-accredited Quality Assurance Laboratory delivers rigorous in-house testing at our Middlesbrough headquarters. The facility confirms the quality, compliance and reliable performance of every cable we supply before dispatch.

From initial inspection and sample selection to electrical, dimensional and mechanical testing, our qualified team uses calibrated equipment and documented procedures to verify cable construction and performance. This identifies potential defects before installation, reduces project risk and gives customers total confidence that the cable specified is the cable delivered.

RIGOROUS TESTING. VERIFIED RESULTS

Cable samples are assessed against applicable product standards and customer specifications, verifying construction, electrical performance and material durability before dispatch.

UKAS-ACCREDITED TESTING INCLUDES

- Conductor resistance testing
- Cable construction and dimensional testing
- Cable sheath and insulation tensile elongation testing

Together, these tests help identify manufacturing inconsistencies, confirm compliance and reduce the risk of cable failure, installation delays and costly replacement.





CONFIDENCE BUILT ON TESTING AND COMPLIANCE

CLEVELAND CABLE TEST & TRAINING LAB

INDEPENDENT QUALITY ASSURANCE

BASEC REGISTERED STOCKIST

Certificate SKT-001

Cleveland Cable Company was the first cable distributor in the world to achieve BASEC Registered Stockist status. The accreditation demonstrates our commitment to cable quality, traceability and responsible stock management.

UKAS ACCREDITED LABORATORY

ISO/IEC 17025

This accreditation demonstrates our laboratory's technical competence, impartiality and consistent operation, providing confidence in the accuracy and reliability of its test results.

BSI ELECTRIC CABLES KITEMARK

Certificate KM712695

Awarded for the batch testing of electrical and other cables, the BSI Kitemark independently verifies our documented procedures, cable sampling and internal testing systems.

ISO 9001 QUALITY MANAGEMENT

Quality Management System

Our certified quality management system supports consistent processes, continual improvement and the reliable supply of products that meet customer and regulatory requirements.

LOGISTICS

17
OPERATING HUBS
Across the UK, Ireland, Europe and the UAE, providing local support and project coverage

£160m
STOCKHOLDING
The UK's largest cable stock, helping reduce lead times and keep projects moving

90+
DELIVERY VEHICLES
FORS Silver-accredited road fleet supporting flexible UK and worldwide logistics

40+
COUNTRIES SERVED
Delivering reliable cable solutions to customers across established international markets

NATIONAL COVERAGE GLOBAL REACH

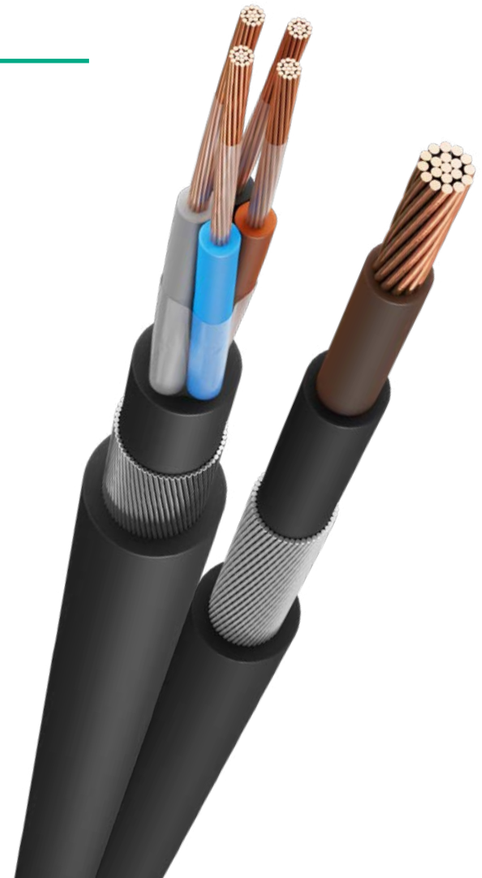
With extensive stockholding, a dedicated logistics network and a commitment to customer service, we provide dependable cable supply solutions for projects of every scale. Fast, efficient delivery across UK and international markets helps maintain project schedules from specification through to delivery.

STOCKHOLDING & AVAILABILITY

Backed by one of the UK's largest cable stockholdings, we provide immediate access to a comprehensive range of low and medium voltage cable solutions. This extensive availability reduces lead times, sharpens project planning and keeps projects moving.

LOGISTICS & DELIVERY

Supported by our FORS Silver-accredited fleet and experienced logistics team, we deliver safe, reliable and flexible solutions tailored to customer requirements. From scheduled deliveries to project-specific logistics support, we help minimise downtime and keep projects on track.







DUBAI
Middle East Operations

LOCAL EXPERTISE GLOBAL REACH

Our distribution network supports local supply, while road, sea and air freight connect us with customers worldwide.





GLASGOW
Scotland Distribution



DUBLIN
Ireland Distribution



NEWCASTLE
North East Distribution



WARRINGTON
North West Distribution



MIDDLESBROUGH
Headquarters



BIRMINGHAM
Midlands Distribution

BRISTOL
South West Distribution



NORTHAMPTON
Central UK Distribution



LONDON
South East Distribution

98%
WASTE DIVERTED FROM LANDFILL

SUPPORTING NET ZERO

INVESTING IN RENEWABLE ENERGY

Solar installations provide a combined installed capacity of **626 kWp** across five UK sites. A further **167 kWp** installation is currently under construction at our new head office, further reducing operational emissions and improving energy efficiency.

LANDFILL DIVERSION RATE

Through our waste management programme, we diverted **98.2%** of our operational waste from landfill by recycling or recovering it. We aim to reach 100% landfill diversion by continuing to recycle, recover and repurpose materials wherever possible.

RESPONSIBLE LOGISTICS

Almost **25%** of our vehicle fleet is now electric, supporting our transition to lower-carbon transport. We optimise our road and sea freight networks to improve efficiency and **reduce emissions**, while continuing to explore alternative fuels, including HVO and biofuels, across our logistics operations.

CABLE CARBON INFORMATION

We help customers assess the **embodied carbon** of cables by providing product information and supporting documentation, including **TM65 assessments** where available. We work with suppliers to develop Environmental Product Declarations (EPDs) and Product Environmental Profiles (PEPs).

CABLE DRUM REUSE & RECYCLING

Through our free cable drum return scheme, more than **58,000** cable drums and almost **3,000** pallets are collected each year for reuse. Any damaged materials are responsibly recycled, supporting our ongoing commitment to a circular economy.

EMISSIONS REDUCTION TARGET

We are committed to reducing our Scope 1 and Scope 2 greenhouse gas emissions by **42%** by 2031, using 2021 as our baseline year, in line with our Science Based Targets initiative (SBTi) commitment.

CABLE COLLECTION RECYCLING

Our cable collection scheme helps customers **recycle unused cable** at the end of projects. Copper and aluminium conductors are recovered for recycling, helping reduce waste, conserve resources and give valuable materials a new purpose.

ENVIRONMENTAL REPORTING

Our environmental performance is supported by internationally recognised standards and reporting frameworks, including **ISO 14001**, **SECR** and **ESOS**, demonstrating our commitment to continual improvement.



OUR COMMITMENT TO SUSTAINABILITY

Sustainability isn't an add-on – it's at the core of who we are. From investing in renewable technologies and improving energy efficiency to reducing greenhouse gas emissions and working closely with our customers and supply chain, we're committed to minimising our environmental impact. Through continual improvement and long-term investment, we're driving the transition towards net zero and helping build a cleaner, more sustainable energy future.

SCAN TO ENQUIRE

Complete our online enquiry form, and a member of our team will be in touch to discuss your requirements.

CLEVELAND CABLE COMPANY

w clevelandcable.com

e sales@clevelandcable.com

t 01642 241 133