

# Multicore SWA Hydrocarbon Resistant Power 1kV Cable-1.5mm<sup>2</sup> to 120mm<sup>2</sup>



## Description

This multicore copper cable is used in Class I, Division II, hazardous areas as classified by the oil and gas industry. They are built with protection against the flammable vapours and gases that may be present. They provide low voltage power supply to electricity systems in these areas. They are resistant to aliphatic and aromatic hydrocarbons with a polyamide intermediate sheath and special compound PVC outer sheath which serves as a barrier to moisture ingress. It is commonly used in switching stations and industrial plants. Due to the mechanical steel wire armour it is suitable for external and internal installation in cable ducts and for direct burial.

## Key Features



**Voltage Rating**  
600/1000 Volts



**Flame Retardancy**  
BS EN/IEC 60332-3-22



**Temperature Limits**  
Temperature Range: -20°C to +60°C

## Core Colours

- 2 Cores: Red Black
- 3 Cores: Red Yellow Blue
- 4 Cores: Red Yellow Blue Black
- 5 Cores: Red Yellow Blue Black Green
- 7 Cores and Above: Black with White Numbers

## Standards

### Construction

- **Conductor:** Class 1 or 2 Copper
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Inner Sheath:** Polyvinyl Chloride (PVC)
- **Overall Tape Screen:** Aluminium/Polyester Tape (AL/PET) with 0.5mm drain wire
- **Bedding:** High Density Polyethylene (HDPE)
- **Intermediate Sheath:** Polyamide (PA)
- **Armour:** Steel Wire Armour (SWA)
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Black

### QA Lab

#### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

### ecovadis

## Multicore SWA Hydrocarbon Resistant Power 1kV Cable-1.5mm<sup>2</sup> to 120mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
IEC60502-1SCRSWAPVC2X1/5	1.5	2	18.2	508
IEC60502-1SCRSWAPVC3X1/5	1.5	3	19.5	645
IEC60502-1SCRSWAPVC4X1/5	1.5	4	21.5	800
IEC60502-1SCRSWAPVC5X1/5	1.5	5	19.2	760
IEC60502-1SCRSWAPVC7X1/5	1.5	7	22.0	800
IEC60502-1SCRSWAPVC10X1/5	1.5	10	26.0	1125
IEC60502-1SCRSWAPVC12X1/5	1.5	12	26.5	1185
IEC60502-1SCRSWAPVC19X12/5	1.5	19	29.0	1435
IEC60502-1SCRSWAPVC27X1/5	1.5	27	32.0	1685
IEC60502-1SCRSWAPVC30X1/5	1.5	30	33.5	1895
IEC60502-1SCRSWAPVC37X1/5	1.5	37	35.5	2110
IEC60502-1SCRSWAPVC2X2/5	2.5	2	19.0	673
IEC60502-1SCRSWAPVC3X2/5	2.5	3	20.5	715
IEC60502-1SCRSWAPVC4X2/5	2.5	4	22.4	890
IEC60502-1SCRSWAPVC5X2/5	2.5	5	20.2	855
IEC60502-1SCRSWAPVC7X2/5	2.5	7	23.5	920
IEC60502-1SCRSWAPVC10X2/5	2.5	10	27.5	1300
IEC60502-1SCRSWAPVC12X2/5	2.5	12	28.5	1380
IEC60502-1SCRSWAPVC19X2/5	2.5	19	31.5	1735
IEC60502-1SCRSWAPVC27X2/5	2.5	27	35.0	2060
IEC60502-1SCRSWAPVC30X2/5	2.5	30	36.5	2315
IEC60502-1SCRSWAPVC37X2/5	2.5	37	40.0	2865
IEC60502-1SCRSWAPVC2X4	4	2	20.8	755
IEC60502-1SCRSWAPVC3X4	4	3	21.5	825
IEC60502-1SCRSWAPVC4X4	4	4	23.0	921
IEC60502-1SCRSWAPVC5X4	4	5	23.5	1000
IEC60502-1SCRSWAPVC2X6	6	2	21.4	875
IEC60502-1SCRSWAPVC3X6	6	3	23.5	955
IEC60502-1SCRSWAPVC4X6	6	4	24.3	1055
IEC60502-1SCRSWAPVC5X6	6	5	26.5	1320
IEC60502-1SCRSWAPVC2X10	10	2	24.5	1050
IEC60502-1SCRSWAPVC3X10	10	3	26.0	1300
IEC60502-1SCRSWAPVC4X10	10	4	27.5	1472
IEC60502-1SCRSWAPVC5X10	10	5	29.0	1650
IEC60502-1SCRSWAPVC2X16	16	2	27.3	1415
IEC60502-1SCRSWAPVC3X16	16	3	28.0	1600
IEC60502-1SCRSWAPVC4X10	16	4	30.0	1845

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
IEC60502-1SCRSWAPVC5X16	16	5	32.0	2110
IEC60502-1SCRSWAPVC2X25	25	2	30.5	1840
IEC60502-1SCRSWAPVC3X25	25	3	32.0	2105
IEC60502-1SCRSWAPVC4X10	25	4	34.5	2485
IEC60502-1SCRSWAPVC5X25	25	5	37.0	2865
IEC60502-1SCRSWAPVC2X35	35	2	33.0	2180
IEC60502-1SCRSWAPVC3X35	35	3	34.5	2540
IEC60502-1SCRSWAPVC4X35	35	4	37.0	3120
IEC60502-1SCRSWAPVC5X35	35	5	41.0	3785
IEC60502-1SCRSWAPVC2X50	50	2	36.0	2635
IEC60502-1SCRSWAPVC3X50	50	3	38.5	3370
IEC60502-1SCRSWAPVC4X50	50	4	41.5	3995
IEC60502-1SCRSWAPVC5X50	50	5	45.0	4665
IEC60502-1SCRSWAPVC2X70	70	2	41.0	3575
IEC60502-1SCRSWAPVC3X70	70	3	43.0	4275
IEC60502-1SCRSWAPVC4X70	70	4	46.5	5135
IEC60502-1SCRSWAPVC2X95	95	2	44.5	4365
IEC60502-1SCRSWAPVC3X95	95	3	47.0	5280
IEC60502-1SCRSWAPVC2X120	120	2	48.5	5180

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