

Petro Cables

Power Cables.....2

BS5467 SWA/PVC Cable IEC 60502 600/1000V2

N2XCH power cable 0,6/1kV5

Bare Copper Cable8

Instrumentation Cables9

PAS 5308 Part 1 Type 29

RE-Y(ST) YSWAY-FL CU/PVC/CAM/PVC/SWA/PVC.....11

RE-2Y(St)H.....12

RE- Y(ST)YSWAY-fl PIMF/TIMF13

Power Cables

BS5467 SWA/PVC Cable IEC 60502 600/1000V



Single core plain annealed copper conductor to IEC60228, XLPE insulated / PVC extruded bedded Steel wire armored /PVC sheathed 600/1000 volts grade to BS5467. Flame retardant to IEC60332. Oil resistant to ASTM 1047.

Application

Power cable suitable for power networks, underground, outdoors, indoors and in cable ducts.

Construction

Conductor	Class 2 stranded copper: 2 circular or circular compacted conductors. 2* shaped or circular conductors or circular compacted conductors. 2S shaped conductors. (Dimensions and weights based on circular)	
Insulation	Cross Linked Polyethylene (XLPE)	
Color Code	Two Core:	Brown, Blue
	Three Core:	Brown, Black, Grey (Optional Brown, Blue, Green/Yellow)
	Four Core:	Brown, Black, Grey & Blue (Optional Brown, Black, Grey & G/Y)
	Five Core:	Numbered cores (Optional Brown, Black, Grey Blue + G/Y)
	Six Core and above:	Numbered cores (optional + Green/Yellow)
Inner sheath	Polyvinyl chloride (PVC)	
Armouring	Steel wire armour (SWA)	
Color	Black	
Voltage	600/1000V	
Operating temperature	Maximum 90°C Minimum Bending 0°C	
Minimum bending radius	8x overall diameter	
Standard	BS5467: Electric cables. Thermosetting insulated, armoured cables for voltages of 600/1000V IEC60502: Powercables with extruded insulation and their accessories for rated voltages from 1kV to 30kV Flame Propagation Test to BS EN 60332-1-2 for single cable.	
Note	If you are considering installing in higher UV exposure and/or high/low ambient temperatures i.e. desert/arctic conditions the special sheathing may be required.	

Ordering information

Size Sq mm	Class of Conductor	RT of bedding mm	Dia over bedding mm	Dia of armour wire mm	Dia over armour mm	Approx overall dia mm	Weight kg/km	Ordering information	Ordering information G/Y Wire	Hawke Gland 501/453/Univ
Two core										
1.5	2	0.8	7.7	0.9	9.6	12.3	300	8027113	on request	O
2.5	2	0.8	8.5	0.9	10.4	13.6	360	on request	on request	O
4	2	0.8	9.7	0.9	11.6	14.7	420	on request	on request	O
6	2	0.8	10.7	0.9	12.6	15.9	500	on request	on request	A
10	2	0.8	12.7	0.9	14.6	18.0	650	on request	on request	A
16	2	0.8	14.5	1.25	17.0	20.0	910	on request	on request	B
25	2*	0.8	18.4	1.25	20.9	24.1	1060	on request	on request	B
35	2*	1.0	21.3	1.6	24.5	27.9	1480	on request	on request	B
50	2S	1.0	19.0	1.6	22.2	25.8	1800	on request	on request	C
70	2S	1.0	22.0	1.6	25.2	29.0	2300	on request	on request	C
95	2S	1.2	25.1	2.0	29.1	33.1	3170	on request	on request	C2
120	2S	1.2	27.9	2.0	31.9	36.1	3800	on request	on request	C2
150	2S	1.2	30.9	2.0	34.9	39.3	4500	on request	on request	D
185	2S	1.4	34.9	2.5	39.9	44.7	5800	on request	on request	D
240	2S	1.4	39.0	2.5	44.0	49.0	7280	on request	on request	D
300	2S	1.6	43.3	2.5	48.3	53.5	8750	on request	on request	E
400	2S	1.6	48.4	2.5	53.4	59.0	10700	on request	on request	E
Three core										
1.5	2	0.8	8.2	0.9	10.1	12.8	341	on request	8092205	O
2.5	2	0.8	9.1	0.9	11.0	14.1	405	on request	8021717	O
4	2	0.8	10.4	0.9	12.3	15.3	495	8039578	8086266	A
6	2	0.8	11.5	0.9	13.4	16.6	600	8033660	8039576	A
10	2	0.8	13.7	1.25	16.4	19.5	900	8078863	8086265	B
16	2	0.8	15.5	1.25	18.0	21.2	1080	8078492	on request	B
25	2*	1.0	20.1	1.6	23.3	26.7	1750	8032449	on request	C
35	2*	1.0	22.8	1.6	26.0	29.6	2100	8077884	on request	C
50	2S	1.0	21.7	1.6	24.9	28.5	2350	8032505	on request	C
70	2S	1.0	25.2	1.6	28.4	32.2	3150	on request	on request	C2
95	2S	1.2	28.8	2.0	32.8	37.0	4300	on request	on request	C2
120	2S	1.2	32.0	2.0	36.0	40.4	5250	on request	on request	D
150	2S	1.4	35.9	2.5	40.9	45.5	6720	on request	on request	D
185	2S	1.4	40.0	2.5	45.0	49.8	8040	on request	on request	D
240	2S	1.4	44.9	2.5	49.9	55.1	10150	on request	on request	E
300	2S	1.6	49.8	2.5	54.8	60.2	12320	on request	on request	E
400	2S	1.6	55.4	2.5	60.6	66.6	15090	on request	on request	F

Ordering information

Size Sq mm	Class of Conductor	RT of bedding mm	Dia over bedding mm	Dia of armour wire mm	Dia over armour mm	Approx overall dia mm	Weight kg/km	Ordering information	Ordering information G/Y Wire	Hawke Gland 501/453/ Univ
Four Core										
1.5	2	0.8	9.0	0.9	10.9	13.5	390	on request	on request	O
2.5	2	0.8	10.0	0.9	11.9	15.0	465	on request	on request	O
4	2	0.8	11.5	0.9	13.4	16.4	579	on request	on request	A
6	2	0.8	12.7	0.9	15.3	18.7	820	8092586	8090198	A
10	2	0.8	15.1	1.25	17.6	21.1	1090	on request	8086264	B
16	2	0.8	17.2	1.25	19.7	22.9	1400	on request	on request	B
25	2*	1.0	22.3	1.6	25.5	28.9	2100	8077889	8086263	C
35	2*	1.0	25.3	1.6	28.5	32.1	2580	on request	on request	C
50	2S	1.0	25.0	1.6	28.2	32.0	3000	on request	8086262	C2
70	2S	1.2	29.5	2.0	33.5	37.7	4300	8064876	on request	C2
95	2S	1.2	33.3	2.0	37.3	41.7	5510	8076158	on request	D
120	2S	1.4	37.5	2.5	42.5	47.1	7150	on request	on request	D
150	2S	1.4	41.6	2.5	46.6	51.4	8500	on request	on request	E
185	2S	1.4	46.4	2.5	51.4	56.6	10300	on request	on request	E
240	2S	1.6	52.6	2.5	57.6	63.0	13000	on request	on request	F
300	2S	1.6	58.0	2.5	63.0	68.8	15750	on request	on request	F
400	2S	1.8	64.8	3.15	71.3	78.1	20450	on request	on request	G
Five Core										
1.5	2	0.8	9.9	0.9	11.8	14.2	433	on request	on request	O
2.5	2	0.8	11.0	0.9	12.9	16.0	530	8032450	8087726	A
4	2	0.8	12.7	1.25	15.3	18.4	775	on request	8092451	A
6	2	0.8	14.0	1.25	16.6	19.7	929	on request	8025510	B
10	2	1.0	17.1	1.25	19.7	23.2	1300	on request	on request	B
16	2	1.0	19.8	1.6	23.1	26.6	1880	on request	on request	C
25	2	1.0	24.5	1.6	27.8	31.7	2670	on request	on request	C
Seven Core										
1.5	2	0.8	10.9	0.9	12.8	15.2	506	8077886	on request	O
2.5	2	0.8	12.1	0.9	14.0	17.1	618	8033658	8094970	A
4	2	0.8	13.9	1.25	16.5	19.7	907	on request	on request	B
6	2	0.8	15.4	1.25	18.0	21.3	1110	on request	on request	B
10	2	1.0	18.8	1.25	22.1	25.6	1720	on request	on request	C
16	2	1.0	21.8	1.6	25.1	28.8	2300	on request	on request	C
25	2*	1.0	30.2	1.6	34.3	38.6	3900	on request	on request	C2
Ten Core										
1.5	2	0.8	13.9	1.25	16.5	19.8	812	on request	on request	B
2.5	2	0.8	15.5	1.25	18.1	21.4	989	8017635	on request	B
4	2	1.0	18.3	1.6	21.6	25.1	1410	on request	on request	C
6	2	1.0	20.3	1.6	23.6	27.3	1680	on request	on request	C
10	2	1.0	24.3	1.6	27.6	31.5	2320	on request	on request	C2

N2XCH power cable 0,6/1kV halogen-free, with concentric conductor, without functionality



The power cables with enhanced characteristics in case of fire are used in power stations. The concentric conductor can be used as a PE or PEN conductor or as screen. Suitable for fixed installation in dry, damp or wet environments, in, above, on and beneath plaster as well as in masonry walls and in concrete. These cables are suitable for outdoor applications and in underground by using in conduits or tubes. For the installation in conduit all precautions must be taken that no accumulation of water can occur in the pipes

CE = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Technical Data

Power and control cable acc. to DIN VDE 0276 part 604, HD 604 S1 part 1 and part 5G

Temperature range:

- during installation -5°C to +50°C
- fixed installation -30°C to +90°C

Permissible operating temperature at conductor: +90°C
 Nominal voltage: U_0/U 0,6/1 kV
 Test voltage: 4 kV
 Minimum bending radius: 12x cable Ø
 Radiation resistance: up to 100x106 cJ/kg (up to 100 Mrad)
 Caloric load values: see Technical Informations

Cable Structure	Properties
<ul style="list-style-type: none"> • Bare copper-conductor, to DIN VDE 0295 cl.1 or cl.2, single-wire or multi-wire, BS 6360 cl.1 or cl.2, • IEC 60228 cl.1 or cl.2 • Core insulation of cross-linked polyethylene (XLPE) compound type 2XI1 to HD 604 S1 • Core identification to DIN VDE 0293-308 • Cores stranded in layers (for multi-core cables) • Overall filled inner sheat • Covered by filling compound or taping • Concentric conductor of bare Cu-wires • Outer sheath of thermoplastic polyolefine, compound type HM4 to HD 604 S1 • Sheath colour black 	<ul style="list-style-type: none"> • Halogen-free, no liberation of corrosive or toxic gases • Limited propagation of fire • Low smoke development • The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
	<p>Tests</p> <ul style="list-style-type: none"> • Flame test acc. to DIN VDE 0482-332-3-24, BS 4066 part 3, DIN EN 60332-3-24, IEC 60332-3-24 (previously DIN VDE 0472 part 804 test method C) • Corrosiveness of combustion gases acc. to DIN VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2 (equivalent DIN VDE 0472 part 813) • Halogen-free acc. to DIN VDE 0482 part 267, DIN EN 50267-2-1, IEC 60754-1 (equivalent DIN VDE 0472 part 815) • Smoke density acc. to DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2, IEC 61034-1+2, BS 7622 part 1+2 (previously DIN VDE 0472 part 816)

Ordering information

No.cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Ordering info
2 x 1,5 / 1,5 re	12,0	53,0	250,0	16	on request
2 x 2,5 / 2,5 re	13,0	81,0	280,0	14	8092805
2 x 4 / 4 re	14,0	122,0	320,0	12	8092806
2 x 10 / 10 re	16,0	311,0	560,0	8	8092808
2 x 16 / 16 re	19,1	490,0	780,0	6	8092809
3 x 1,5 / 1,5 re	13,0	67,0	250,0	16	on request
3 x 2,5 / 2,5 re	14,0	104,0	320,0	14	on request
3 x 4 / 4 re	16,5	161,0	400,0	12	on request
3 x 6 / 6 re	18,0	242,0	500,0	10	on request
3 x 10 / 10 re	20,0	408,0	750,0	8	on request
3 x 16 / 16 re	22,5	643,0	1000,0	6	on request
3 x 25 / 16 rm	27,0	902,0	1600,0	4	on request
3 x 35 / 16 rm	27,5	1190,0	1900,0	2	on request
3 x 50 / 25 rm	32,3	1723,0	2400,0	1	on request
3 x 70 / 35 sm	35,6	2410,0	3060,0	2/0	on request
3 x 95 / 50 sm	39,0	3296,0	4200,0	3/0	on request
3 x 120 / 70 sm	42,0	4236,0	5207,0	4/0	on request
3 x 150 / 70 sm	43,5	5100,0	5700,0	300 kcmil	on request
3 x 185 / 95 sm	47,4	6383,0	7150,0	350kcmil	on request
3 x 240 / 120 sm	53,5	8240,0	9250,0	500 kcmil	on request
4 x 1,5 / 1,5 re	13,5	81,0	300,0	16	on request
4 x 2,5 / 2,5 re	14,5	129,0	380,0	14	on request
4 x 4 / 4 re	17,5	202,0	480,0	12	on request
4 x 6 / 6 re	19,0	297,0	600,0	10	on request
4 x 10 / 10 re	21,5	504,0	850,0	8	on request
4 x 16 / 16 re	24,5	797,0	1200,0	6	on request
4 x 25 / 16 rm	29,0	1142,0	1800,0	4	on request
4 x 35 / 16 rm	29,5	1528,0	2100,0	2	on request
4 x 50 / 25 sm	32,5	2203,0	2800,0	1	on request
4 x 70 / 35 sm	38,0	3082,0	3800,0	2/0	on request
4 x 95 / 50 sm	43,5	4208,0	5100,0	3/0	on request
4 x 120 / 70 sm	50,5	5388,0	6556,0	4/0	on request
4 x 150 / 70 sm	52,1	6540,0	7600,0	300 kcmil	on request
4 x 185 / 95 sm	57,2	8159,0	9370,0	350 kcmil	on request
4 x 240 / 120 sm	62,6	10546,0	11611,0	500 kcmil	on request
7 x 1,5 / 2,5 re	15,0	132,0	320,0	16	8092810
7 x 2,5 / 2,5 re	15,5	200,0	400,0	14	on request
7 x 4 / 4 re	18,1	316,0	580,0	12	on request
10 x 1,5 / 2,5 re	17,2	177,0	420,0	16	on request
10 x 2,5 / 4 re	18,9	287,0	550,0	14	on request
12 x 1,5 / 2,5 re	18,4	204,0	460,0	16	on request
12 x 2,5 / 4 re	19,2	335,0	610,0	14	on request
12 x 4 / 6 re	22,6	528,0	910,0	12	on request
16 x 1,5 / 4 re	20,0	275,0	686,0	16	on request
16 x 2,5 / 6 re	20,9	450,0	805,0	14	on request

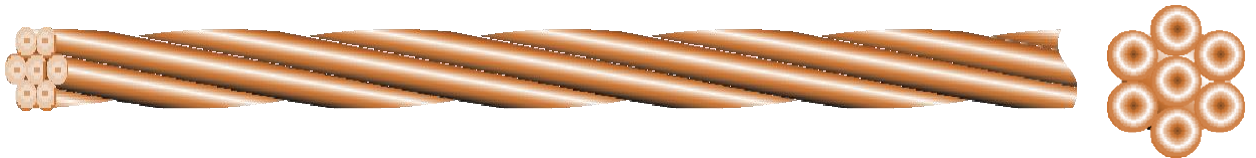
Ordering information

No.cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Ordering info
21 x 1,5 / 6 re	22,6	370,0	766,0	16	on request
21 x 2,5 / 6 re	25,2	572,0	1015,0	14	on request
24 x 1,5 / 6 re	23,2	412,0	800,0	16	on request
24 x 2,5 / 10 re	26,1	695,0	1100,0	14	on request
30 x 1,5 / 6 re	24,3	500,0	930,0	16	on request
30 x 2,5 / 10 re	28,0	842,0	1290,0	14	on request

Dimensions and specifications may be changed without prior notice. (RQ02)

- Note:**
- re = round conductor, single-wire
 - rm = round conductor, multi-wire
 - sm = sectional conductor, multi-wire
 - AWG sizes are approximate equivalent values. The actual cross-section is in mm².
 - LSOH = Low Smoke Zero Halogen

Bare Copper Cable



Application
Circuit grounding

Construction
Soft annealed bare copper, uncoated and un-insulated. Soft drawn to BS6360 and BSEN 60228.

Number of cores: 1
 Conductor: Class 2
 Dimensions 70 mm²

Ordering information

Description	Ordering info
Power Cable 1x70mm ² (Class2) Bare Copper conductor soft drawn BSEN 60228	8022587

Instrumentation Cables

PAS 5308 Part 1 Type 2

Instrument cable IEC60331



Application

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plant (e.g. petrochemical industry etc. (not suitable for direct buried applications)

Construction

Conductor	Solid (class 1), Stranded (Class 2) or flexible (class 5) copper conductor to BS EN 60228
Insulation	MICA tape and Cross Linked Polyethylene (XLPE)
Binder Tape	Polyester tape 50% overlap
Screen	Individual and collective screen or collective screen. Polyester tape 50% overlap Aluminium / polyester tape, metallic side down in contact with tinned copper drain wire.
Outer Sheath	LSZH sheath type LTS3. Max HCL emission @ 800°C: -0,5%
Color	Red or Black
Min. insulation resistance	Individual conductors > 5 GΩ x km at +20°C
Max. mutual capacitance	Cables with collective screen only (no 1 pair, 2 pair, 1 triple) 1.50sqmm, 2.50sqmm: 85pF/m 1 pair, 2 pairs, 1 triple collectively screened 1.50sqmm, 2.50sqmm: 120pF/m Cables with individually screened pairs 1.50sqmm, 2.50sqmm: 120pF/m
Max L/R Ratio	1.50 sqmm: 40 μH/Ω 2.50sqmm: 65 μH/Ω
Voltage	300/500V
Operating temperature	Maximum +90°C Minimum -40°C
Installation temperature	Maximum +50°C Minimum 0°C
Standard	PAS 5308 Part 1 Type 1, BSEN60228, BS6234, BS50363, IEC60331, IEC60332-1, IEC60332-3-24. Oil resistant to ICEA S-82-552.

Ordering information

Conductor Size	No of Pairs / Triples	Nom O/D mm	Max conductor resistance Ohm/km @ 20°C	Ordering information Black	Ordering information Red	Hawke Gland 501/453/Univ
COLLECTIVE SCREENED						
1.50	1P	8.5	12.5	on request	on request	OS
1.50	2P (Q)	9.9	12.5	on request	on request	OS
1.50	5P	17.9	12.5	on request	on request	A
1.50	10P	25.7	12.5	on request	on request	C
1.50	15P	29.6	12.5	on request	on request	C
1.50	20P	33.6	12.5	on request	on request	C2
1.50	1T	9.0	12.5	on request	on request	OS
2.50	1P	9.3	7.7	on request	on request	OS
2.50	2P (Q)	11.1	7.7	on request	on request	O
2.50	5P	20.3	7.7	on request	on request	B
2.50	10P	28.4	7.7	on request	on request	C
2.50	15P	30.3	7.7	on request	on request	C
2.50	20P	37.2	7.7	on request	on request	C2
2.50	1T	9.9	7.7	on request	8022588	OS

RE-Y(ST) YSWAY-FL CU/PVC/CAM/PVC/SWA/PVC



Application

RE-Y (ST) YSWAY Instrumentation cable to EN50288-7, suitable for instrumentation, control and communications applications. Suitable for direct burial.

Construction

Conductor	Class 2 stranded copper plus comms core. 0.75sqmm pair, 1.3sqmm pairs & triples and 1.5sqmm pairs and triples. IEC- 60228.
Insulation	Polyvinyl chloride (PVC). EN 50290-2-21
Identification	Pair: Black and White Numbered Triple: Black, White and Red numbered
Inner Sheath	Polyvinyl chloride (PVC). EN 20590-2-22
Screen	CAM, Tinned copper drain wire
Al-pes tape sheath/jacket	Polyvinyl chloride (PVC). EN 50290-2-22
Amour	Steel Wire Amour (SWA)
Color	Black RAL 9005 or Blue RAL 5015
Voltage	300/500V
Insulation Thickness	0.44 mm
Tinned copper drain wire	7 x 0.30 min.
Sheath thickness	1.30 mm
Armour wire diameter	0.3 mm
Bending temperature range	1.0 mm
Installation temperature range	Maximum 70°C Minimum -0°C
Operating temperature range	Maximum 70°C Minimum -30°C
Minimum bending radius	10 x Cable Q
Designation	RE Instrumentation Y PVC Insulation ST CAM Y PVC Sheath SWA Steel Wire Amour Y
Standard	EN50288-7:2005 Multi-element metallic cables used in analogue and digital communication and control. Part 7 - sectional specification for instrumentation and control cables. Flame retardant to IEC60332-3-24 Oil resistant to ICEA S-82-552, UV resistant to UL 1581

Ordering information

No of pairs or triples	Conductor size mm	Colour	Inner Sheat Diameter	Diameter over sheath mm	Min conductor resistance OHM/KM	Weight kg/km	Ordering information	Hawke Gland 501/453/ Univ
1 pair	1.5	Black	7.2	12.0	12.1	272	8040794	0

RE-2Y(St)H



Application

RE-2Y (ST)H is suitable for instrumentation, control and communications applications.

Construction

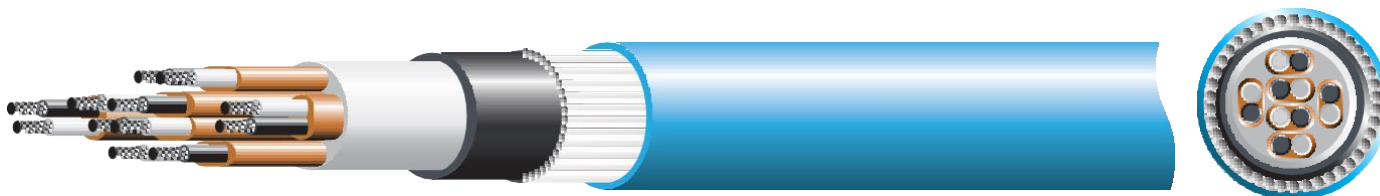
Conductor	Class 2 stranded copper IEC- 60228.
Insulation	PE compound
Identification	Pair: Black and White Numbered Triple: Black, White and Red numbered
Screen	Electrostatic screen (St) of plastic coated AL-PES tape and tinned copper drain wire.
Sheath/Jacket	HFFR Compound
Color	Black
Voltage	300/500V
Bending thickness	1.0 mm
Installation temperature range	Maximum 70°C Minimum -5°C
Operating temperature	Maximum 70°C Minimum -30°C
Minimum bending radius	7,5 x Cable Q
Designation	RE Instrumentation Y PVC Insulation ST CAM Y PVC Sheath SWA Steel Wire Amour Y
Flame Propagation	
Test on Bunched Cables	IEC 60332-3-24
Smoke Density	IEC 61034-2
Amount of Halogen acid gas	IEC 60754-1 (max 0,5%)

Ordering information

Cross-section (mm ²)	Cable Diameter (mm) ± %5	Weight kg/km	Ordering information
1 x 2 x 0,50	6,10 ±%5	50	8079154
8 x 2 x 0,50	13 ±%5	191	8079156

RE- Y(ST)YSWAY-fi PIMF/TIMF

Multipair Individual and collective screened



Application

For transmission of analogue and digital signals in instrument and control systems, in the petro chemistry industry, not allowed for direct connection to low impedance source, e.g. the public mains electricity supply.

Construction

Conductor	Plain annealed copper, stranded, 1.5-2.5 IEC 60228, Class 2
Insulation	PVC EN50290-2-21
Color code	Black/White Numbered for Multipair
Individual shield	PES tape, tinned copper, drain wire, AL-PES tape
Collective screen	AL-PES TAPE, Tinned Copper, Drain Wire.
Inner sheath	Polyvinyl chloride PVC EN 50290-2-22
Armouring	Galvanised steel wire armour, covering 85% (min.)
Outer sheath	Polyvinyl chloride PVC EN 50290-2-22

Electrical Data at 20 Deg C

Conductor size mm ²	1.5	2.5
Conductor resistance Ohm/Km Max	12.1	7.4
Insulation Resistance Min M ohmxKm	100	100
Mutual Capacitance Max nF/Km	170	220
L/R ratio Max uH/ohm	40	60

Test Voltage Kv

Core to Core	2	2
Core to screen	2	2
Operating Voltage Kv	0.3/0.5	0.3/0.5
Temperature range (fixed laying)	-30°C - +70°C	Minimum Installation temperature 0°C.

Flame Retardant to IEC 60332-3-24

UV Resistant

Oil Resistant ICEA S-82-552

Min Bending Radius 10xcable OD

Suitable for burial underground

Ordering information

Instrument Cable Flame Retardant								EN 50288-7 500 V	
Multi Pair, PVC- Insulation, Individual & Collective, Armour, PVC Sheath RE-Y (St) YSWAY-fl PIMF/TIMF									
Geometrical Data									
No of Pairs/ Triples	RT of Insulation nom. (mm) min.	RT of inner sheath nom. (mm)	Ø over inner sheath approx. (mm)	Ø of armour wire nom. (mm)	RT of outer sheath nom. (mm)	Overall dia. approx. (mm)	Weight approx. (kg)/km	Ordering info	Gland Size Hawke 501/45 3/ Univ
2x2x2.5mm ² /7	0.44	1	11.5	0.9	1.60	16.5	380	8059735	
4x2x2.5mm ² /7	0.44	1	16.10	1.25	1.60	22.00	425	8034238	B
10x2x2.5mm ² /7	0.44	1	25.30	1.60	1.90	32.50	1110	8029125	C2
20x2x2.5mm ² /7	0.44	1.20	33.20	1.60	2.10	40.80	1690	8029131	D
20x3x2.5mm ² /7	0.44	1.20	37.50	2.00	2.80	46.10	4140	8029132	D