



OCTEVE CABLES is a **leading innovator** in the field of engineered flexible electrical cables, providing robust solutions tailored to meet the diverse needs of specialized industries worldwide. We operate from its state-of-the-art manufacturing facility in Nakhon Ratchasima, Thailand, and has developed fine copper wire cables with high temperature polymeric insulation and sheath. With a steadfast commitment to excellence, **OCTEVE CABLES** seamlessly integrates **high-quality products** with unparalleled service, ensuring efficient power transmission and superior cable management solutions.

Family-Centric Approach

Our clients, employees, and business partners are family. We prioritize genuine relationships, offering personalized attention and unwavering support.

Flexibility & Reliability

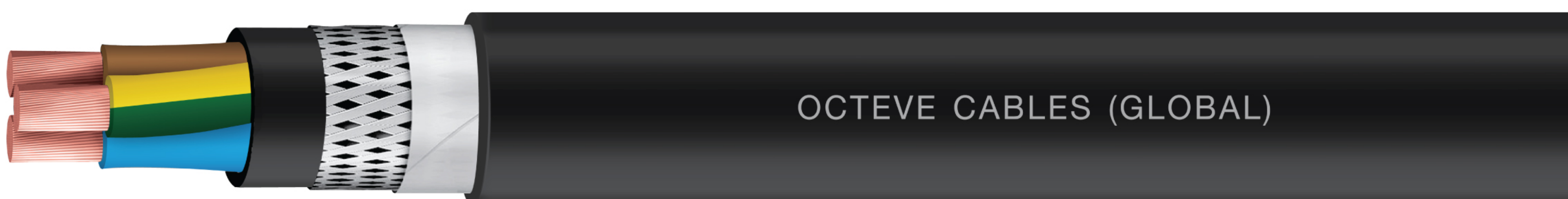
Our cables are made with finely stranded annealed copper conductors, with options of plain or tinned, to ensure high flexibility, small bending radius, lightweight, and 'easy to use' construction. Just like our cables, our services are flexible and reliable. We adapt to our clients' needs, providing tailored solutions with unmatched reliability.

Engineering Excellence

Our cables are meticulously engineered to meet the stringent standards of leading Class Societies such as ABS, BV, DNV-GL, LR, NK, NEK, UL, and USCG. Compliant with AS/NZS, CSA, IEC, IEEE, and UL standards, our products guarantee unparalleled performance and durability.

Comprehensive Solutions

We offer end-to-end services, from cable drawing and customization to compliance testing and management, ensuring a seamless experience for our clients. Due to demands, we also offer Class 2 conductor options for our Oceana product range.



Our Clientele & Expertise

OCTEVE CABLES caters to a diverse clientele across various industries, including Oil & Gas, Marine & Shipboard, Building & Construction, and Renewable Energy sectors. From project owners to subcontractors, our clients demand quality, and OCTEVE delivers with precision-engineered solutions.

Our Vision and Values

Our vision extends beyond borders. We aspire to be a global leader, empowering industries with reliable cable solutions while fostering enduring partnerships across continents.

OCTEVE CABLES is built upon a foundation of unwavering principles, guiding every aspect of our operations.

Expertise & Innovation

We combine industry expertise with innovative solutions. Fluent in "cable speak," our team enhances cable performance to exceed expectations. Our dedication to quality drives us to under promise and overdeliver.

Sincerity in Growth

As we expand, we remain grounded in sincerity and genuineness. Our growth is intertwined with the prosperity of our people and clients. Our approach is straightforward yet considerate, respecting the diversity of personalities and perspectives.

Ethical Practices

Integrity guides our actions. We prioritize what is right over what is expedient, ensuring our clients receive the promised quality without compromise. We engage with honesty and respect is ingrained in our DNA.

Limitless Potential

We transcend boundaries. With a global footprint, we continue to evolve and expand, driven by a shared commitment to excellence.



Head Office:

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868 Phetkasem Rd., Kwaeng Bangkhae Nue,
Khet Bangkhae, Bangkok 10160, Thailand

Factory:

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Tambon Kamtalesor, Amphur Kamtalesor,
Nakornratchasima 30280, Thailand



Premium Flexible Battery, Telecommunication & Switchboard DC Power

0.9/1.5kV DC 105°C N-RUBBER Flame Retardant ROHS III & REACH compliant

● **Applications**

Flexible Rubber flame retardant single-core double insulated power cable suitable for DC battery, Telecommunication Power & switchboard applications.

● **Design Construction**

- Conductors

Class 5 & 6 flexible high conductivity Plai or Tinned Annealed Copper to IEC 60228 & AS/NZS 1125.
- Insulation

N-RUBBER V-105 Lead-free PVC Thermoplastic.
- Sheath

N-RUBBER V-105 Lead-free, Flame Retardant, Water, Oil, Sunlight & Ozone resistant.

- **Insulation Color** To customer specification

- **Sheath Colour** To customer specification

- **Standards** IEC 60228, IEC 60502-1, IEC 60332-3-22. IEC 60245-6 AS/NZS 1125, AS/NZS 5000.1 AS/NZS 3808, AS/NZS 3008.1 AS/NZS 1995



- **Operating Temp** -25°C to +105°C

- **Voltage Level** 900/1500 Volts DC

Number of Conductors & Cross Section Area (mm²)		Nominal Conductor Diameter (mm)	Nominal Insulation Diameter (mm)	Minimum Overall Diameter (mm)	Maximum Overall Diameter (mm)	Minimum Bending Radius (mm)	Approx Weight (kg/km)	Current Rating Spaced Ambient. 40°C in Air (Amps)
1C	2.5	2.0	3.6	6.4	6.7	26	67	35
1C	4	2.4	4.4	7.2	7.6	29	84	46
1C	6	3.0	5.0	7.8	8.2	31	107	59
1C	10	3.9	5.9	8.7	9.2	35	153	83
1C	16	4.9	6.9	9.7	10.2	39	213	110
1C	25	6.1	8.5	11.3	11.9	45	308	147
1C	35	7.3	9.8	12.6	13.2	50	412	183
1C	50	8.8	11.7	14.5	15.2	58	572	231
1C	70	10.4	13.3	16.3	17.1	65	768	292
1C	95	12.1	15.3	18.3	19.2	73	992	351
1C	120	13.6	16.9	20.1	21.1	80	1239	418
1C	150	15.5	19.2	22.6	23.7	90	1593	483
1C	185	17.1	21.2	24.6	25.8	98	1910	555
1C	240	19.5	23.9	27.5	28.9	110	2404	668
1C	300	22.0	26.9	30.7	32.2	123	3011	772
1C	400	25.5	30.8	35.0	36.7	140	3972	933
1C	500	28.9	34.6	39.0	40.9	156	4982	1090
1C	630	33.0	38.6	43.4	45.6	174	6372	1288



Switchboard & Panel Wire

0.6/1kV 105°C N-RUBBER Flame Retardant
ROHS III & REACH compliant

● Applications

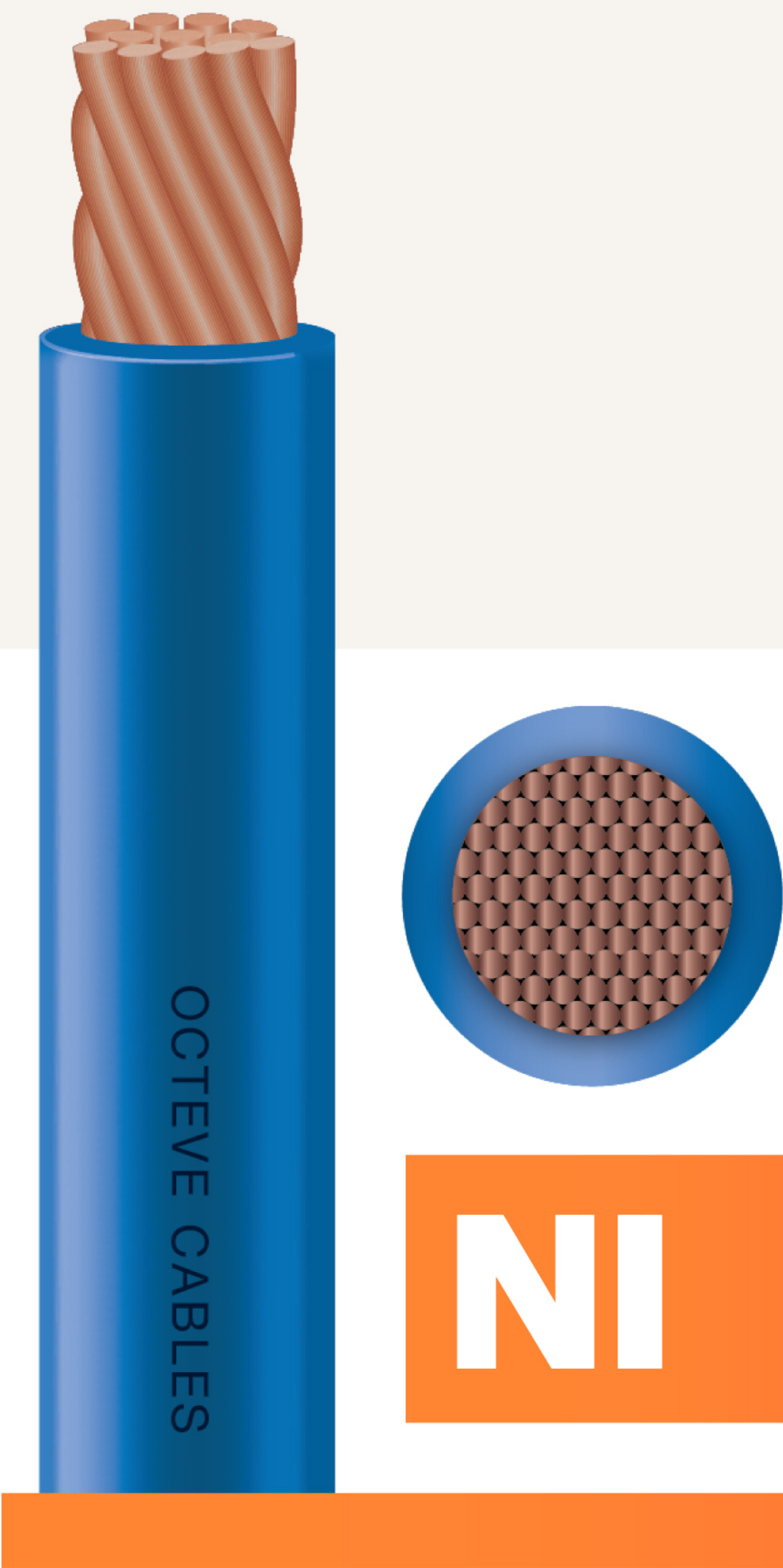
Flexible Rubber, flame retardant single insulated forwiring of switchboards, control, instrumentation & electronic equipment. Also used as earth bonding conductor for mains & submains.

● Design Construction

- Conductors**Class 5 & 6 flexible high conductivity Plain or Tinned Annealed Copper to IEC 60228 & AS/NZS 1125.
- Insulation**N-RUBBER V-105 Lead-free PVC Thermoplastic, Flame Retardant. Water, Oil, Sunlight & Ozone resistant. Excellent resistance to abrasion

- Insulation Color To customer specification

- Standards IEC 60228, IEC 60502-1, IEC 60332-1 IEC 60332-3-22 CAT A AS/NZS 1125, AS/NZS 5000.1 AS/NZS 3808, AS/NZS 3008.1



- Operating Temp -25°C to +105°C
- Voltage Level 600/1000 Volts AC
900/1500 Volts DC

Number of Conductors & Cross Section Area (mm²)		Nominal Conductor Diameter (mm)	Minimum Overall Diameter (mm)	Maximum Overall Diameter (mm)	Minimum Bending Radius (mm)	Approx Weight (kg/km)	Current Rating Spaced Ambient. 40°C in Air (Amps)
1C	0.5	0.9	2.5	2.6	10	11	8
1C	0.75	1.1	2.7	2.8	11	14	13
1C	1	1.3	2.9	3.0	11	17	16
1C	1.5	1.5	3.1	3.3	13	22	20
1C	2.5	2.0	3.6	3.8	14	33	27
1C	4	2.4	4.4	4.6	18	49	36
1C	6	3.0	5.0	5.2	20	68	46
1C	10	3.9	5.9	6.2	24	108	64
1C	16	4.9	6.9	7.2	28	162	85
1C	25	6.1	8.5	8.9	34	247	114
1C	35	7.3	9.7	10.2	39	343	141
1C	50	8.8	11.6	12.2	47	495	178
1C	70	10.4	13.2	13.9	53	667	225
1C	95	12.1	15.3	16.0	61	889	271
1C	120	13.6	16.8	17.7	67	1108	322
1C	150	15.5	19.1	20.1	77	1432	372
1C	185	17.1	21.1	22.2	85	1732	427
1C	240	19.5	23.9	25.0	95	2198	514
1C	300	22.0	26.8	28.1	107	2774	591
1C	400	25.5	30.7	32.2	123	3662	709
1C	500	28.9	34.5	36.2	138	4609	821
1C	630	33.0	38.6	40.5	154	5872	956



Single-Core Double Insulated for Solar

1.5/1.5kV dc 120°C LSHF Flame Retardant,
Water Resistant ROHS III & REACH Compliant

• Applications

Flexible Rubber SDI for roof, inland solar farm
and floating solar farm applications.

• Design Construction

- Conductors**Flexible stranded tinned annealed copper
to IEC 60228 and AS/NZS 1125.
- Insulation**HFFLEX X-125 Halogen Free Crosslinked Rubber.
- Sheath**HFFFLEX X-40 Crosslinked Polyolefin Flame
Retardant Low Smoked Halogen Free. Water, Oil,
Sunlight and Ozone Resistant. Excellent abrasion
resistant. Conforms to PV1-F of TUV
2Pfg 1169/08.2007.

- Insulation Color**White
- Sheath Colour**Black
- Standards**IEC 60228, IEC 60502-1, IEC 60332-1,
IEC 60332-3-22 CAT A, IEC 60754-1&2,
IEC 61034-1&2, AS/NZS 1125, AS/NZS 5000.1
AS/NZS 1660.5.1, AS/NZS 1660.5.6,
AS/NZS 1660.5.2, AS/NZS 1660.5.4
AS/NZS 3008.1, AS/NZS 5033
TUV 2Pfg 1169/08.2007



- Operating Temp**-40°C to +120°C
- Voltage Level**600/1000 Volts, ac
1500/1500 Volts, dc

Number of Conductors (C) & Cross Section Area (mm ²)		Minimum Bending Radius (mm)	Nominal Conductor Diameter (mm)	Nominal OD Over Insulation (mm)	Nominal Overall Diameter (mm)	Approx Weight (kg/km)	Current Rating Unenclosed Touching 30°C Ambient in Air (Amps)	Current Rating Unenclosed Touching 40°C Ambient in Air (Amps)
1C	4	22	2.5	3.9	5.4	57	48	45
1C	6	24	3.0	4.4	6.0	77	61	57
1C	10	28	4.0	5.4	7.0	121	86	80
1C	16	32	5.0	6.4	8.1	175	112	105
1C	25	44	6.2	8.1	11.1	299	149	19
1C	35	50	7.4	9.2	12.5	399	184	172
1C	50	56	8.8	10.8	14.1	555	233	218
1C	70	64	10.6	12.9	16.1	748	292	273
1C	95	72	12.3	14.5	18.1	993	352	329
1C	120	81	13.9	16.4	20.2	1230	417	390
1C	150	90	15.1	17.9	22.6	1557	482	450
1C	185	99	16.9	20.2	24.7	1875	552	516
1C	240	110	18.9	22.4	27.4	2397	664	621
1C	300	120	21.5	25.2	30.0	3017	766	716
1C	400	137	24.5	28.6	34.3	884	920	860
1C	500	153	27.3	31.8	38.2	4886	1069	999
1C	630	169	30.2	35.1	42.4	6113	1250	1168

*Current carrying capacities in continuous service, 110°C operating temperature, 40°C ambient air temperature, unenclosed touching in free air. Refer to Technical Section for other current ratings for different installations, correction factors, voltage drop, short circuit rating and other conditions. Octeve is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.



RI/U Power and Control

0.6/1kV 110°C LSHF Flame Retardant
ROHS III & REACH compliant

• Applications

Flexible Power and Control cables suitable for all shipboard and marine applications.

• Design Construction

- Conductors**
- Flexible stranded plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.
- Insulation**
- HFFLEX X-110 Halogen Free HEPR.
Water resistant. Excellent dielectric strength.
- Sheath**
- Flame Retardant, Sunlight and Ozone Resistant.

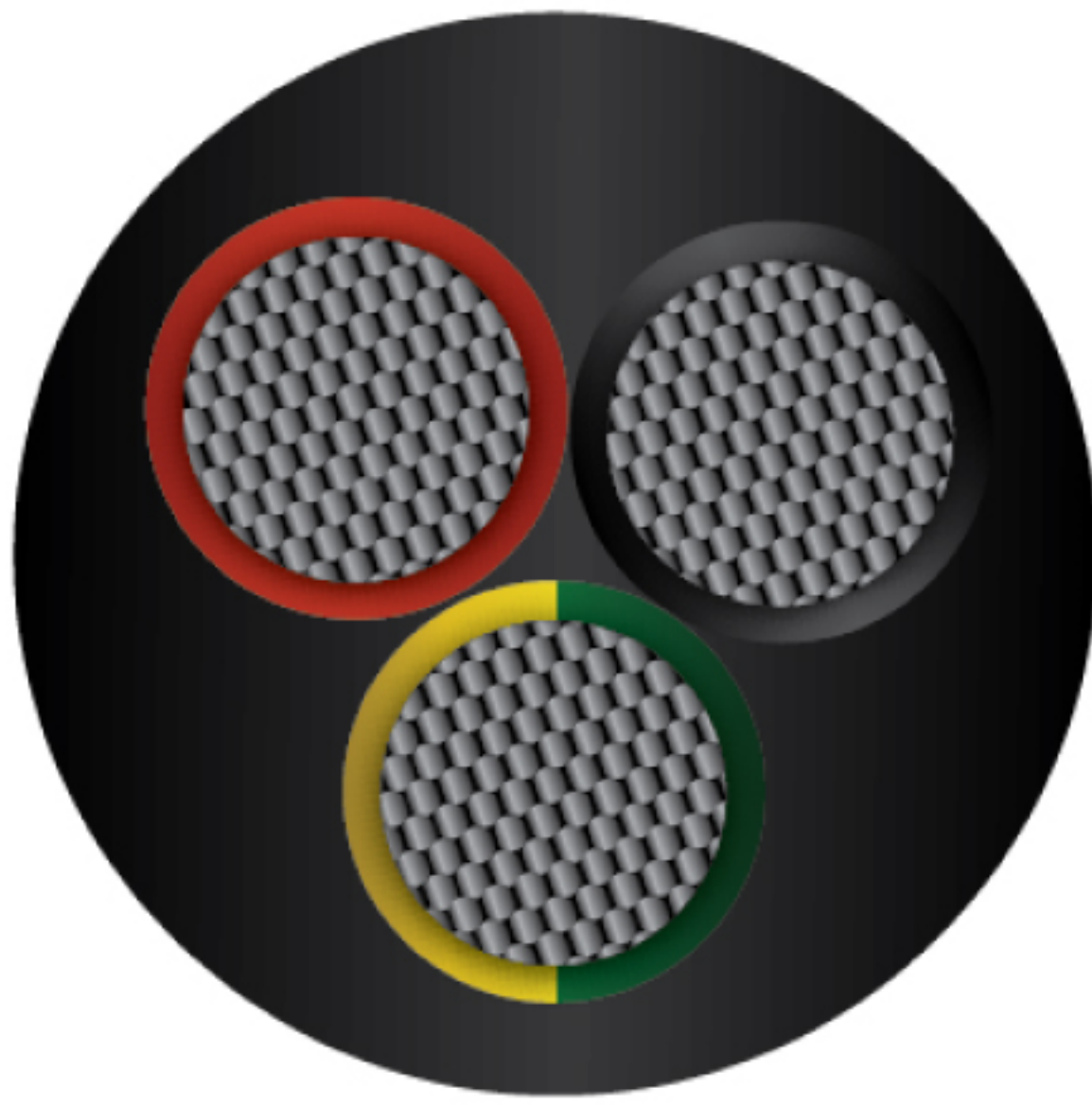
• Sheath Options

- L**
- Type SHF1 to IEC 60092-360, Thermoplastic LSHF
- F**
- Type SHF2 to IEC 60092-360, Thermoplastic,
Oil Resistant LSHF
- M**
- Type SHF2 MUD to IEC 60092-360 & NEK TS 606
Thermoset, Oil and Mud Resistant LSHF
- P**
- Type ST2 to IEC 60092-360 & IEC 60502-1
Thermoplastic Lead-free N-RUBBER V-105 PVC

- Insulation Color**
- To customer specification

- Sheath Colour**
- To customer specification

- Standards**
- IEC 60228, IEC 60502-1, IEC 60092-353
IEC 60332-1, IEC 60332-3-22 CAT A
IEC 60754-1&2*, IEC 61034-1&2*
(*For L, F and M Type Only)
AS/NZS 1125, AS/NZS 5000.1
IEEE 45, IEEE 1580, IEEE 1202



- Approvals**
- International Type Approvals
available upon request.
- Operating Temp**
- 40°C to +110°C
- Voltage Level**
- 600/1000 Volts, ac
900/1500 Volts, dc

Number of Conductors (C) & Cross Section Area (mm²)		Minimum Bending Radius (mm)	Nominal Conductor Diameter (mm)	Nominal OD Over Insulation (mm)	Nominal Overall Diameter (mm)	Current Rating* (Amps)	Approx Weight (kg/km)
1C	6	27	3.1	4.6	6.7	52	81
1C	10	31	4.1	5.6	7.7	72	124
1C	16	36	5.1	6.7	9.0	96	182
1C	25	43	6.4	8.4	10.7	127	276
1C	35	49	7.8	9.8	12.3	157	378
1C	50	56	9.2	11.5	14.0	196	528
1C	70	64	10.8	13.3	16.0	242	714
1C	95	73	12.8	15.3	18.3	293	960
1C	120	82	14.5	17.3	20.4	339	1190
1C	150	91	16.3	19.5	22.9	389	1484
1C	185	101	18.0	21.7	25.2	444	1829
1C	240	112	20.3	24.2	28.0	522	2340
1C	300	125	22.5	27.2	31.1	601	2887
1C	400	139	26.0	30.7	34.8	670	3786
1C	500	155	29.2	34.4	38.7	720	4770
1C	630	173	32.8	38.4	43.2	780	5990

*IEC 60092-352:2005 Table B.4 – Current carrying capacities in continuous service, 90°C operating temperature, 45°C ambient air temperature. Refer to Technical Information for correction factors, voltage drop, short circuit rating and other conditions. Octeve is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time



RFOI/U RFCI/U Offshore Braid Armoured Power & Control

0.6/1kV 110°C LSHF Flame Retardant
ROHS III & REACH compliant

● **Applications**

Flexible Power & Control cables suitable for all offshore applications where mechanical or EMC protection is required.

● **Design Construction**

- Conductors

Flexible stranded plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.
- Insulation

HFFLEX X-110 Halogen Free HEPR.
Water resistant. Excellent dielectric strength.
- Bedding

Extruded Low Smoke Halogen Free Polymer or ST2
- Braid

Tinned Copper Wire (90% coverage)
Galvanised Steel Wire (90% coverage)
- Separator

Polypropylene Tape
- Sheath

Flame Retardant, Sunlight and Ozone Resistant.

● **Sheath Options**

- L

Type SHF1 to IEC 60092-360, Thermoplastic LSHF
- F

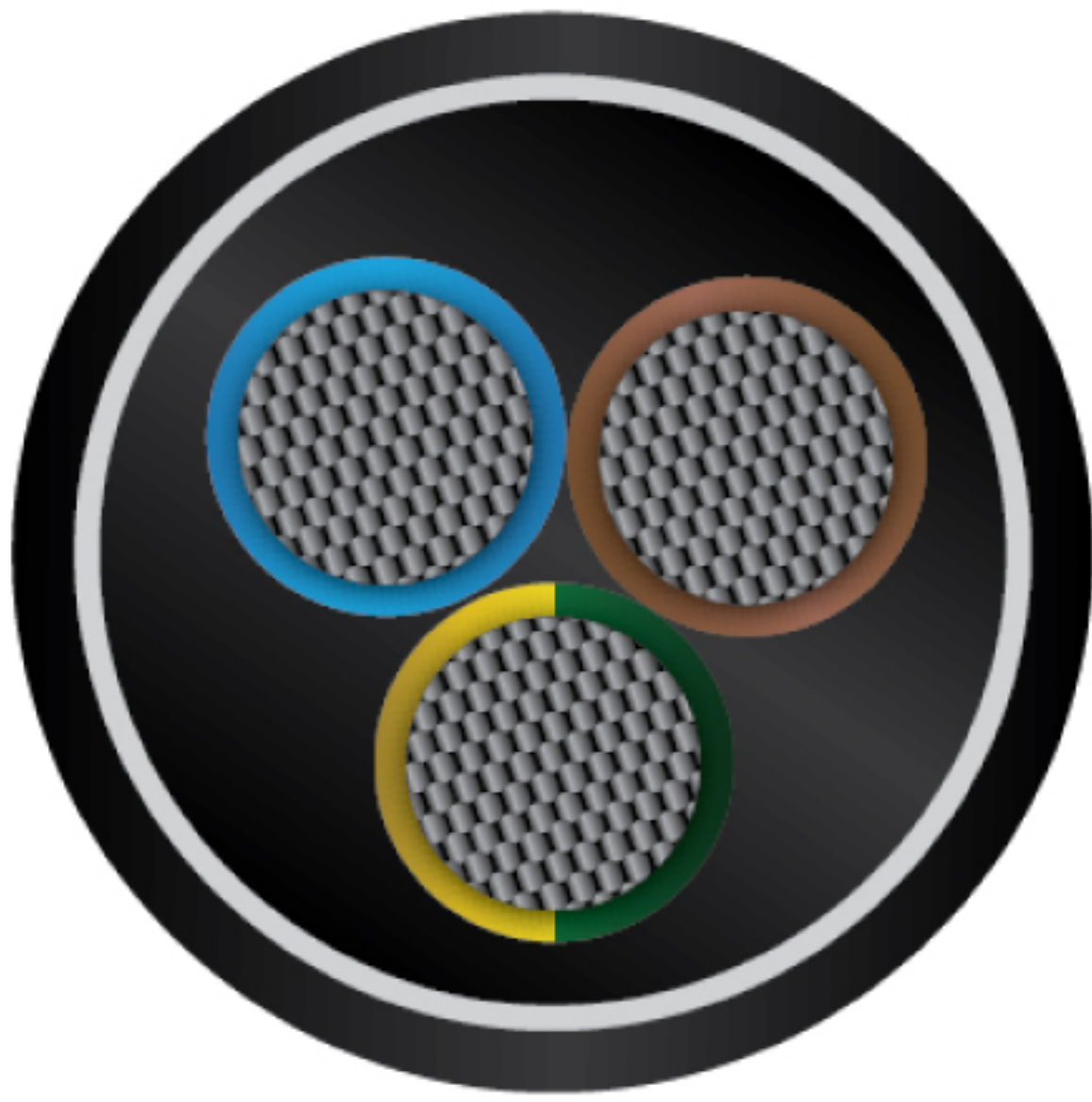
Type SHF2 to IEC 60092-360, Thermoset, Oil Resistant LSHF
- M

Type SHF2 MUD to IEC 60092-360 & NEK TS 606 Thermoset, Oil and Mud Resistant LSHF
- P

Type ST2 to IEC 60092-360 & IEC 60502-1 Thermoplastic Lead-free N-RUBBER V-105 PVC

- Standards

IEC 60228, IEC 60502-1, IEC 60092-353
IEC 60332-1, IEC 60332-3-22 CAT A
IEC 60754-1&2*, IEC 61034-1&2*
(*For L, F and M Type Only)
AS/NZS 1125, AS/NZS 5000.1
IEEE 45, IEEE 1580, IEEE 1202
NEK TS 606



- **Insulation Color**

To customer specification
- **Sheath Colour**

To customer specification
- **Approvals**

International Type Approvals available upon request.
- **Operating Temp**

-40°C to +110°C
- **Voltage Level**

600/1000 Volts, ac
900/1500 Volts, dc

Number of Conductors (C) & Cross Section Area (mm²)		Minimum Bending Radius (mm)	Nominal Conductor Diameter (mm)	Nominal OD Over Bedding (mm)	Nominal OD Over Braid (mm)	Nominal Overall Diameter (mm)	Current Rating* (Amps)	Approx Weight (kg/km)
1C	10	70	4.1	7.9	9.2	11.7	72	228
1C	16	76	5.1	9.0	10.2	12.7	96	294
1C	25	89	6.4	10.9	12.1	14.8	127	418
1C	35	98	7.8	12.3	13.6	16.3	157	532
1C	50	110	9.2	14.2	15.4	18.3	196	717
1C	70	122	10.8	16.0	17.2	20.4	242	922
1C	95	137	12.8	18.3	19.5	22.8	293	1201
1C	120	149	14.5	20.2	21.4	24.8	339	1449
1C	150	165	16.3	22.7	23.9	27.4	389	1804
1C	185	180	18.0	25.0	26.2	30.0	444	2163
1C	240	198	20.3	27.8	29.0	32.9	522	2719
1C	300	219	22.5	30.2	32.2	36.5	601	3396
1C	400	242	26.0	34.6	35.8	40.4	670	4287
1C	500	268	29.2	38.5	39.7	44.7	720	5349
1C	630	295	32.8	42.8	44.0	49.2	780	6632

*IEC 60092-352:2005 Table B.4 – Current carrying capacities in continuous service, 90°C operating temperature, 45°C ambient air temperature. Refer to Technical Information for correction factors, voltage drop, short circuit rating and other conditions. Octeve is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time