

POLYCAB Elastomeric Insulated Cable Confirming to BS EN 50525-2-21.



Polycab offers a comprehensive range of Rubber flexible cable conforming to BS EN 50525-2-21 for various application.

The highly flexible and robust Polycab Rubber cable makes its use in portable electrical equipment and devices. The mechanical force involved in moving apparatus requires cables to withstand high degree of wear and tear, extreme weather condition, oil/grease prone area and high heat zone. These flexible rubber cables are also suitable for wide range of application in lighting, appliances or equipment including heavy industrial equipment requires flexible connection to power supply.

Conductor: High conductivity bunched tinned copper conductor produced in-house from state-of-the art Machine.

Insulation: In-house developed cross linked elastomeric compound ethylene propylene rubber (EPR) or Ethylene vinyl acetate (EVA).

Sheath: In-house developed cross linked elastomeric sheathing polychloroprene (PCP) or chlorosulphonated polyethylene (CSP) or ethylene vinyl acetate (EVA) or thermoplastic polyurethane (TPPU) compound.

The construction based on the application and requirement of the user against BS EN 50525-2-21



[POLYCAB H05GG-F/H05GGH2-F BS EN 50525-2-21 MC - Rubber Cable, 300/500 V AC](#)



[POLYCAB H07RN-F BS EN 50525-2-21 MC - Rubber Cable, 450/750 V AC](#)



[POLYCAB H07RN8-F BS EN 50525-2-21 MC - Rubber Cable, 450/750 V AC](#)



[POLYCAB H07BN4-F BS EN 50525-2-21 MC - Rubber Cable, 450/750 V AC](#)



[POLYCAB H07BB-F BS EN 50525-2-21 MC - Rubber Cable, 450/750 V AC](#)



[POLYCAB H05RR-F BS EN 50525-2-21 MC - 300/500 V Rubber Cable, 300/500 V AC](#)



[POLYCAB H07BQ-F BS EN 50525-2-21 MC - Rubber Cable, 450/750 V AC](#)



[POLYCAB H05BQ-F BS EN 50525-2-21 MC - Rubber Cable, 300/500 V AC](#)



[POLYCAB H05BN4-F BS EN 50525-2-21 MC - 300/500 V Rubber Cable, 300/500 V AC](#)



[POLYCAB H05BB-F BS EN 50525-2-21 MC - Rubber Cable, 300/500 V AC](#)



[POLYCAB H05RN-F BS EN 50525-2-21 MC - Rubber Cable, 300/500 V AC](#)

POLYCAB H05BB-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05BB-F EPR insulated and cross linked elastomeric sheathed heavy-duty cable are intended to use in appliances or equipment, heavy industrial equipment, where a flexible connection is required for power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -40°C to 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 6 (EPR) to EN 50363-1
- Sheathed with cross linked elastomeric compound Type EM 6 (EPR) to EN 50363-2-1

Core Identification

2 core	Blue and Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Blue, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

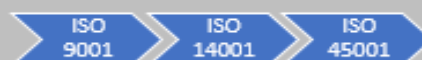
Conductor Resistance test - IEC 60228
Insulation Resistance test - EN 50525-2-21
Test under fire condition - EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H05BB-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Product Code	Construction mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TRUARE002C.75S	2 x 0.75	6.23	53	DBW - 01SS (UN)
RCBS04TRUARE002C001S	2 x 1	6.78	65	DBW - 01SS (UN)
RCBS04TRUARE002C1.5S	2 x 1.5	8.32	97	DBW - 01SS (UN)
RCBS04TRUARE002C2.5S	2 x 2.5	9.83	141	DBW - 01SS (UN)
RCBS04TRUARE003C.75S	3 x 0.75	6.80	67	DBW - 01SS (UN)
RCBS04TRUARE003C001S	3 x 1	7.18	78	DBW - 01SS (UN)
RCBS04TRUARE003C1.5S	3 x 1.5	8.83	116	DBW - 01SS (UN)
RCBS04TRUARE003C2.5S	3 x 2.5	10.44	171	DBW - 01SS (UN)
RCBS04TRUARE003C004S	3 x 4	12.25	248	DBW - 01SS (UN)
RCBS04TRUARE003C006S	3 x 6	13.89	338	DBW - 01S (UN)
RCBS04TRUARE004C.75S	4 x 0.75	7.41	81	DBW - 01SS (UN)
RCBS04TRUARE004C001S	4 x 1	7.83	95	DBW - 01SS (UN)
RCBS04TRUARE004C1.5S	4 x 1.5	9.85	147	DBW - 01SS (UN)
RCBS04TRUARE004C2.5S	4 x 2.5	11.63	217	DBW - 01SS (UN)
RCBS04TRUARE004C004S	4 x 4	13.63	315	DBW - 01S (UN)
RCBS04TRUARE004C006S	4 x 6	15.43	430	DBW - 01A (UN)
RCBS04TRUARE005C.75S	5 x 0.75	8.26	87	DBW - 01SS (UN)
RCBS04TRUARE005C001S	5 x 1	8.72	103	DBW - 01SS (UN)
RCBS04TRUARE005C1.5S	5 x 1.5	10.73	152	DBW - 01SS (UN)
RCBS04TRUARE005C2.5S	5 x 2.5	12.90	232	DBW - 01S (UN)

- DBW – Weatherproof series

Electrical characteristics

Current carrying capacity.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp.	Three-phase a.c. Amp.	
0.75	6	6	26.7
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21
4	32	25	5.09
6	-	-	3.39

Ambient temperature: 30°C, Conductor operating temperature: 90°C

The above table is in accordance with Table 4F3A of BS 7671:2018

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable.

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H05BN4-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05BN4-F multicore Flexible cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -15°C to 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 7 (EPR) to EN 50363-1.
- Sheathed with cross linked elastomeric compound Type EM 7 (CSP) to EN 50363-2-1

Core Identification

3 core Green/Yellow, Blue, Brown
4 core Green/Yellow, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

Conductor Resistance test - IEC 60228
Insulation Resistance test - EN 50525-2-21
Test under fire condition - EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACREDITATION



POLYCAB H05BN4-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Product Code	Construction n x mm ²	No. of strands/strand dia.	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TRUARC003C.75S	3 x 0.75	24/0.2	6.80	72	DBW-01SS(UN)
RCBS04TRUARC003C001S	3 x 1	32/0.2	7.18	84	DBW-01SS(UN)
RCBS04TRUARC003C1.5S	3 x 1.5	30/0.25	8.83	125	DBW-01SS(UN)
RCBS04TRUARC003C2.5S	3 x 2.5	50/0.25	10.44	184	DBW-01SS(UN)
RCBS04TRUARC004C.75S	4 x 0.75	24/0.2	6.91	72	DBW-01SS(UN)
RCBS04TRUARC004C001S	4 x 1	32/0.2	7.83	102	DBW-01SS(UN)
RCBS04TRUARC004C1.5S	4 x 1.5	30/0.25	9.85	158	DBW-01SS(UN)
RCBS04TRUARC004C2.5S	4 x 2.5	50/0.25	11.63	232	DBW-01SS(UN)

- DBW – Weather proof series

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single- phase a.c. Amp	Three-phase a.c. Amp	
0.75	6	6	26.7
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

The ambient temperature is 30°C.

Conductor operating temperature 90°C.

The above table is in accordance with Table 4F3A of BS 7671:2018

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable.

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H05BQ-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05BQ-F heavy-duty cable insulated with cross-linked elastomeric compound and sheathed with TPU. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -40°C to + 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 6 (EPR) to EN 50363-1.
- Sheathed with thermoplastic polyurethane (TMPU) to EN 50363-10-2

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-10-2
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H05BQ-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TRUAM1002C.75S	2 x 0.75	6.23	53	DBW - 01SS (UN)
RCBS04TRUAM1002C001S	2 x 1	6.78	65	DBW - 01SS (UN)
RCBS04TRUAM1003C.75S	3 x 0.75	6.80	67	DBW - 01SS (UN)
RCBS04TRUAM1003C001S	3 x 1	7.18	78	DBW - 01SS (UN)
RCBS04TRUAM1004C.75S	4 x 0.75	7.41	81	DBW - 01SS (UN)
RCBS04TRUAM1004C001S	4 x 1	7.83	95	DBW - 01SS (UN)
RCBS04TRUAM1005C.75S	5 x 0.75	8.26	87	DBW - 01SS (UN)
RCBS04TRUAM1005C001S	5 x 1	8.72	103	DBW - 01SS (UN)

- DBW – Weatherproof series

Electrical characteristics

Current carrying capacity and maximum DC conductor resistance.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp.	Three-phase a.c. Amp.	
0.75	6	6	26.7
1	10	10	20

Ambient temperature: 30°C

Conductor operating temperature: 90°C

The above table is in accordance with Table 4F3A of BS 7671:2018

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable.

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H05GG-F/H05GGH2-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05GG-F & H05GGH2-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -15°C to + 110°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 3 (EVA rubber) to EN 50363-1.
- Sheathed with cross linked elastomeric compound Type EM 4 (EVA) to EN 50363-2-1

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

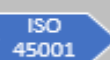
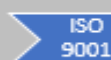
Conductor Resistance test - IEC 60228
Insulation Resistance test - EN 50525-2-21
Test under fire condition - EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H05GG-F/H05GGH2-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Dimension table of H05GG-F

Product Code	Nominal cross sectional area mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TEUAEV002C.75S	2 x 0.75	6.23	53	DBW - 01SS (UN)
RCBS04TEUAEV002C001S	2 x 1	6.78	64	DBW - 01SS (UN)
RCBS04TEUAEV002C1.5S	2 x 1.5	8.32	95	DBW - 01SS (UN)
RCBS04TEUAEV002C2.5S	2 x 2.5	9.83	140	DBW - 01SS (UN)
RCBS04TEUAEV003C.75S	3 x 0.75	6.80	65	DBW - 01SS (UN)
RCBS04TEUAEV003C001S	3 x 1	7.18	77	DBW - 01SS (UN)
RCBS04TEUAEV003C1.5S	3 x 1.5	8.83	115	DBW - 01SS (UN)
RCBS04TEUAEV003C2.5S	3 x 2.5	10.44	170	DBW - 01SS (UN)
RCBS04TEUAEV003C004S	3 x 4	12.25	240	DBW - 01SS (UN)
RCBS04TEUAEV003C006S	3 x 6	13.89	320	DBW - 01S (UN)
RCBS04TEUAEV004C.75S	4 x 0.75	7.41	80	DBW - 01SS (UN)
RCBS04TEUAEV004C001S	4 x 1	7.83	95	DBW - 01SS (UN)
RCBS04TEUAEV004C1.5S	4 x 1.5	9.85	145	DBW - 01SS (UN)
RCBS04TEUAEV004C2.5S	4 x 2.5	11.63	210	DBW - 01SS (UN)
RCBS04TEUAEV004C004S	4 x 4	13.63	300	DBW - 01S (UN)
RCBS04TEUAEV004C006S	4 x 6	15.43	405	DBW - 01A (UN)
RCBS04TEUAEV005C.75S	5 x 0.75	8.26	100	DBW - 01SS (UN)
RCBS04TEUAEV005C001S	5 x 1	8.72	115	DBW - 01SS (UN)
RCBS04TEUAEV005C1.5S	5 x 1.5	10.73	170	DBW - 01SS (UN)
RCBS04TEUAEV005C2.5S	5 x 2.5	12.90	255	DBW - 01S (UN)

- DBW – Weatherproof series

Dimensions table of H05GGH2-F

Product Code	Construction mm ²	Overall Dimension mm	Weight (Approx.) kg/km
RCBS04TEUAEV002C.75S	2 x 0.75	3.92 x 6.23	44

OUR ACCREDITATION



POLYCAB H05GG-F/H05GGH2-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Electrical characteristics

Current carrying capacity and maximum DC conductor resistance

Conductor cross-sectional area mm ²	Current carrying capacity Amp.	Maximum DC conductor resistance at 20°C Ω/km
0.75	12	26.7
1	14	20
1.5	19	13.7
2.5	26	8.21
4	34	5.09
6	44	3.39

Ambient temperature: 30°C

Conductor maximum operating temperature: 110°C

De-Rating Factor

De-rating factor for 110°C thermosetting or thermoplastic insulated cable

Air Temperature	35°C to 80°C	85°C	90°C	95°C	100°C	105°C
Correction Factor	1.0	0.96	0.85	0.74	0.60	0.42

OUR ACCREDITATION



POLYCAB H05RN-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05RN-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -15°C to + 60°C

Construction

- Annealed tinned bunched copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 4 (EPR) to EN 50363-1.
- Sheathed with cross-linked elastomeric compound Type EM 2 (PCP) to EN 50363-2-1

Core Identification

2 core Blue, Brown
3 core Green/Yellow, Brown, Black
4 core Green/Yellow, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

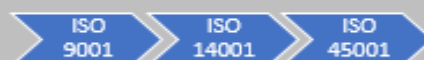
Conductor Resistance test - IEC 60228
Insulation Resistance test - EN 50525-2-21
Test under fire condition - EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H05RN-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Product Code	Construction n x mm ²	Stranding No. of strand/strand dia.	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TRUARP002C.75S	2 x 0.75	24/0.2	6.23	53	DBW - 01SS (UN)
RCBS04TRUARP002C001S	2 x 1	32/0.2	6.78	65	DBW - 01SS (UN)
RCBS04TRUARP003C.75S	3 x 0.75	24/0.2	6.80	67	DBW - 01SS (UN)
RCBS04TRUARP003C001S	3 x 1	32/0.2	7.18	78	DBW - 01SS (UN)
RCBS04TRUARP004C.75S	4 x 0.75	24/0.2	7.41	81	DBW - 01SS (UN)
RCBS04TRUARP004C001S	4 x 1	32/0.2	7.83	95	DBW - 01SS (UN)

- DBW – Weather proof series

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp.	Three-phase a.c. Amp.	
0.75	6	6	26.7
1	10	10	20

The ambient temperature is 30°C.

Conductor operating temperature 60°C.

The above table is in accordance with Table 4F3A of BS 7671:2018

De-Rating Factor

De-rating factor for 60°C thermosetting or thermoplastic insulated cable

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

OUR ACREDITATION



POLYCAB H05RR-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC



Application

POLYCAB H05RR-F Multicore Flexible cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

300/500 V

Operation Temperature

Fixed: -15°C to +60° C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 4(EPR) to EN 50363-1.
- Sheathed with cross linked elastomeric compound Type EM 3 (EPR) to EN 50363-2-1

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
 BS EN 50363-1
 BS EN 50363-2-1
 BS EN 50525-2-21
 IEC 60332-1-2

Test Voltage

2000V AC at (20±5) °C

Compliance

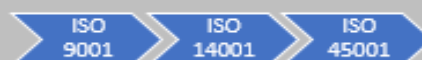
Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC-60332-1-2

Approval



OUR ACREDITATION



POLYCAB H05RR-F BS EN 50525-2-21 MC

Rubber Cable, 300/500 V AC

Product Code	Construction mm ²	Stranding mm	Overall Diameter (Approx.) mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS04TRUARE002C.75S	2 x 0.75	24/0.2	6.23	59	DBW-01SS(UN)
RCBS04TRUARE002C001S	2 x 1	32/0.2	6.78	71	DBW-01SS(UN)
RCBS04TRUARE002C1.5S	2 x 1.5	30/0.25	8.32	106	DBW-01SS(UN)
RCBS04TRUARE002C2.5S	2 x 2.5	50/0.25	9.83	153	DBW-01SS(UN)
RCBS04TRUARE003C.75S	3 x 0.75	24/0.2	6.80	72	DBW-01SS(UN)
RCBS04TRUARE003C001S	3 x 1	32/0.2	7.18	84	DBW-01SS(UN)
RCBS04TRUARE003C1.5S	3 x 1.5	30/0.25	8.83	125	DBW-01SS(UN)
RCBS04TRUARE003C2.5S	3 x 2.5	50/0.25	10.44	184	DBW-01SS(UN)
RCBS04TRUARE004C.75S	4 x 0.75	16/0.2	6.91	72	DBW-01SS(UN)
RCBS04TRUARE004C001S	4 x 1	32/0.2	7.83	102	DBW-01SS(UN)
RCBS04TRUARE004C1.5S	4 x 1.5	30/0.25	9.65	153	DBW-01SS(UN)
RCBS04TRUARE004C2.5S	4 x 2.5	50/0.25	11.43	226	DBW-01SS(UN)

- DBW – Weather proof series

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp	Three-phase a.c. Amp	
0.75	6	6	26.7
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

The ambient temperature is 30°C.

Conductor operating temperature 60°C.

The above table is in accordance with Table 4F3A of BS 7671:2018

De-Rating Factor

De-rating factor for 60°C thermosetting or thermoplastic insulated cable

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

OUR ACCREDITATION



POLYCAB H07BB-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC



Application

POLYCAB H07BB-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

450/750 V

Operation Temperature

Fixed: -15°C to 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 6 (EPR) to EN 50363-1.
- Sheath either in a single layer, cross linked elastomeric compound Type EM 6 (EPR) to EN 50363-2-1 or in two layers, with both layers made of cross linked elastomeric compound of Type EM 6 (EPR) to EN 50363-2-1

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2500V AC at (20±5) °C

Compliance

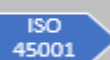
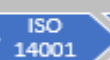
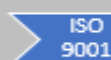
Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H07BB-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARE001C1.5S	1 x 1.5	5.96	49	-
RCBS06TRUARE001C2.5S	1 x 2.5	6.62	65	DBW - 01SS (UN)
RCBS06TRUARE001C004S	1 x 4	7.56	91	DBW - 01SS (UN)
RCBS06TRUARE001C006S	1 x 6	8.33	118	DBW - 01SS (UN)
RCBS06TRUARE001C010S	1 x 10	10.08	183	DBW - 01SS (UN)
RCBS06TRUARE001C016S	1 x 16	11.32	254	DBW - 01SS (UN)
RCBS06TRUARE001C025S	1 x 25	13.18	367	DBW - 01S (UN)
RCBS06TRUARE001C035S	1 x 35	14.78	488	DBW - 01A (UN)
RCBS06TRUARE001C050S	1 x 50	17.07	677	DBW - 01A (UN)
RCBS06TRUARE001C070S	1 x 70	19.15	905	DBW - 02 (UN)
RCBS06TRUARE001C095S	1 x 95	21.74	1202	DBW - 02 (UN)
RCBS06TRUARE001C120S	1 x 120	23.68	1477	DBW - 04A (UN)
RCBS06TRUARE001C150S	1 x 150	26.01	1802	DBW - 05A (UN)
RCBS06TRUARE001C185S	1 x 185	28.69	2235	DBW - 05A (UN)
RCBS06TRUARE001C240S	1 x 240	31.63	2808	DBW - 06 SP (UN)
RCBS06TRUARE001C300S	1 x 300	34.67	3478	DBW - 07 SP (UN)
RCBS06TRUARE001C400S	1 x 400	38.92	4542	DBW - 08 (UN)
RCBS06TRUARE001C500S	1 x 500	42.74	5600	DBW - 09 (UN)
RCBS06TRUARE001C630S	1 x 630	46.46	6906	DBW - 010A (UN)
RCBS06TRUARE002C001S	2 x 1	8.38	91	DBW - 01SS (UN)
RCBS06TRUARE002C1.5S	2 x 1.5	9.32	116	DBW - 01SS (UN)
RCBS06TRUARE002C2.5S	2 x 2.5	11.03	168	DBW - 01SS (UN)
RCBS06TRUARE002C004S	2 x 4	12.72	234	DBW - 01S (UN)
RCBS06TRUARE002C006S	2 x 6	14.27	308	DBW - 01A (UN)
RCBS06TRUARE002C010S	2 x 10	19.16	547	DBW - 02 (UN)
RCBS06TRUARE002C016S	2 x 16	21.64	742	DBW - 02 (UN)
RCBS06TRUARE002C025S	2 x 25	25.57	1072	DBW - 05A (UN)
RCBS06TRUARE003C001S	3 x 1	9.04	111	DBW - 01SS (UN)
RCBS06TRUARE003C1.5S	3 x 1.5	10.03	141	DBW - 01SS (UN)
RCBS06TRUARE003C2.5S	3 x 2.5	11.84	206	DBW - 01SS (UN)
RCBS06TRUARE003C004S	3 x 4	13.65	288	DBW - 01S (UN)
RCBS06TRUARE003C006S	3 x 6	15.29	383	DBW - 01A (UN)
RCBS06TRUARE003C010S	3 x 10	20.59	681	DBW - 02 (UN)
RCBS06TRUARE003C016S	3 x 16	23.24	934	DBW - 04A (UN)
RCBS06TRUARE003C025S	3 x 25	27.44	1356	DBW - 05A (UN)
RCBS06TRUARE003C035S	3 x 35	30.61	1777	DBW - 06 SP (UN)
RCBS06TRUARE003C050S	3 x 50	35.51	2458	DBW - 08 (UN)
RCBS06TRUARE003C070S	3 x 70	39.74	3245	DBW - 08 (UN)
RCBS06TRUARE003C095S	3 x 95	45.46	4323	DBW - 010A (UN)

OUR ACCREDITATION



POLYCAB H07BB-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARE003C120S	3 x 120	49.38	5269	DBW - 010A (UN)
RCBS06TRUARE003C150S	3 x 150	54.36	6430	DBW - 011 SP (UN)
RCBS06TRUARE003C185S	3 x 185	60.09	7966	DBW - 012 (UN)
RCBS06TRUARE003C240S	3 x 240	67.40	10128	DBW - 013 (UN)
RCBS06TRUARE003C300S	3 x 300	74.74	12624	DBW - 014 (UN)
RCBS06TRUARE004C001S	4 x 1	9.99	137	DBW - 01SS (UN)
RCBS06TRUARE004C1.5S	4 x 1.5	11.05	175	DBW - 01SS (UN)
RCBS06TRUARE004C2.5S	4 x 2.5	13.03	255	DBW - 01S (UN)
RCBS06TRUARE004C004S	4 x 4	15.03	360	DBW - 01A (UN)
RCBS06TRUARE004C006S	4 x 6	17.03	487	DBW - 01A (UN)
RCBS06TRUARE004C010S	4 x 10	22.48	841	DBW - 04A (UN)
RCBS06TRUARE004C016S	4 x 16	25.39	1161	DBW - 05A (UN)
RCBS06TRUARE004C025S	4 x 25	30.43	1722	DBW - 06 SP (UN)
RCBS06TRUARE004C035S	4 x 35	33.91	2259	DBW - 07 SP (UN)
RCBS06TRUARE004C050S	4 x 50	39.30	3126	DBW - 08 (UN)
RCBS06TRUARE004C070S	4 x 70	44.17	4155	DBW - 010A (UN)
RCBS06TRUARE004C095S	4 x 95	50.86	5577	DBW - 010A (UN)
RCBS06TRUARE004C120S	4 x 120	54.78	6748	DBW - 011 SP (UN)
RCBS06TRUARE004C150S	4 x 150	60.46	8258	DBW - 012 (UN)
RCBS06TRUARE004C185S	4 x 185	66.98	10259	DBW - 013 (UN)
RCBS06TRUARE004C240S	4 x 240	75.00	13028	DBW - 014 (UN)
RCBS06TRUARE004C300S	4 x 300	83.29	16265	DBW - 015 (UN)
RCBS06TRUARE005C001S	5 x 1	11.00	146	DBW - 01SS (UN)
RCBS06TRUARE005C1.5S	5 x 1.5	12.13	188	DBW - 01SS (UN)
RCBS06TRUARE005C2.5S	5 x 2.5	14.30	274	DBW - 01A (UN)
RCBS06TRUARE005C004S	5 x 4	16.71	393	DBW - 01A (UN)
RCBS06TRUARE005C006S	5 x 6	18.86	535	DBW - 02 (UN)
RCBS06TRUARE005C010S	5 x 10	24.69	921	DBW - 04A (UN)
RCBS06TRUARE005C016S	5 x 16	28.10	1290	DBW - 05A (UN)
RCBS06TRUARE005C025S	5 x 25	33.60	1908	DBW - 07 SP (UN)
RCBS06TRUARE005C035S	5 x 35	37.21	2493	DBW - 08 (UN)
RCBS06TRUARE005C050S	5 x 50	43.54	3487	DBW - 010A (UN)
RCBS06TRUARE005C070S	5 x 70	49.08	4667	DBW - 010A (UN)
RCBS06TRUARE005C095S	5 x 95	56.18	6227	DBW - 011 SP (UN)
RCBS06TRUARE005C120S	5 x 120	60.33	7521	DBW - 012 (UN)
RCBS06TRUARE005C150S	5 x 150	66.55	9194	DBW - 013 (UN)
RCBS06TRUARE005C185S	5 x 185	73.92	11449	DBW - 014 (UN)
RCBS06TRUARE005C240S	5 x 240	82.69	14535	DBW - 015 (UN)
RCBS06TRUARE005C300S	5 x 300	91.78	18147	DBW - 015 (UN)

- DBW – Weatherproof series

OUR ACCREDITATION



POLYCAB H07BB-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Electrical characteristics

Current carrying capacity H07BB-F (1 mm² to 2.5 mm²)

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp.	Three-phase a.c. Amp.	
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

Current carrying capacity H07BB-F (4 mm² to 630 mm²)

Nominal cross sectional area mm ²	Single-phase a.c. or d.c.	Three-phase a.c.	Single-phase a.c. or d.c.	Max. DC conductor resistance at 20°C Ω/km
	1 two-core cable, with or without protective conductor Amp.	1 three-core, four-core or five-core Amp.	2 single-core cables, touching Amp.	
4	42	37	–	5.09
6	55	49	–	3.39
10	76	66	–	1.95
16	103	89	–	1.24
25	136	119	–	0.795
35	–	146	200	0.565
50	–	177	250	0.393
70	–	225	310	0.277
95	–	273	369	0.21
120	–	316	432	0.164
150	–	363	497	0.132
185	–	414	567	0.108
240	–	487	673	0.0817
300	–	560	773	0.0654
400	–	–	924	0.0495
500	–	–	1,062	0.0391
630	–	–	1,242	0.0292

Ambient temperature: 30°C

Maximum conductor operating temperature: 90°C

The above table in accordance with Table 4F3A & 4F2A of BS 7671

De-Rating Factor

De-Rating factor of 90°C thermosetting insulated cable

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H07BN4-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC



Application

POLYCAB H07BN4-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

450/750 V

Operation Temperature

Fixed: -15°C to 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 7 (EPR) to EN 50363-1.
- Sheathing either in a single layer, cross-linked elastomeric compound Type EM 7 (CSP) to EN 50363-2-1 or in two layers, with the inner layer made of one of the cross-linked elastomeric compounds type EM 7 or EM 6 to EN 50363-2-1 and the outer layer of cross-linked elastomeric compound type EM 7 to EN 50363-2-1

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
 BS EN 50363-1
 BS EN 50363-2-1
 BS EN 50525-2-21
 IEC 60332-1-2

Test Voltage

2500V AC at (20±5) °C

Compliance

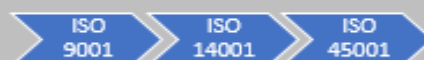
Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H07BN4-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	No. of strands/strand dia.	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARC001C004S	1 x 4	56/0.3	7.56	99	DBW-01SS(UN)
RCBS06TRUARC001C006S	1 x 6	84/0.3	8.33	128	DBW-01SS(UN)
RCBS06TRUARC001C010S	1 x 10	80/0.4	10.08	197	DBW-01SS(UN)
RCBS06TRUARC001C016S	1 x 16	126/0.4	11.32	270	DBW-01SS(UN)
RCBS06TRUARC001C025S	1 x 25	196/0.4	13.18	388	DBW-01S(UN)
RCBS06TRUARC001C035S	1 x 35	276/0.4	14.78	514	DBW-01A(UN)
RCBS06TRUARC001C050S	1 x 50	396/0.4	17.07	710	DBW-02(UN)
RCBS06TRUARC001C070S	1 x 70	360/0.5	19.21	953	DBW-03 SP(UN)
RCBS06TRUARC001C095S	1 x 95	484/0.5	21.74	1252	DBW-03 SP(UN)
RCBS06TRUARC001C120S	1 x 120	608/0.5	23.65	1531	DBW-04 A(UN)
RCBS06TRUARC001C150S	1 x 150	750/0.5	26.01	1871	DBW-05A(UN)
RCBS06TRUARC001C185S	1 x 185	925/0.5	28.54	2281	DBW-05A(UN)
RCBS06TRUARC001C240S	1 x 240	1210/0.5	31.63	2902	DBW-06SP(UN)
RCBS06TRUARC001C300S	1 x 300	1527/0.5	34.67	3587	DBW-07SP(UN)
RCBS06TRUARC001C400S	1 x 400	2036/0.5	38.92	4672	DBW-08(UN)
RCBS06TRUARC001C500S	1 x 500	2530/0.5	42.67	6559	DBW-010A(UN)
RCBS06TRUARC001C630S	1 x 630	3180/0.5	46.34	7988	DBW-010A(UN)
RCBS06TRUARC002C004S	2 x 4	56/0.3	12.72	257	DBW-01S(UN)
RCBS06TRUARC002C006S	2 x 6	84/0.3	14.27	337	DBW-01A(UN)
RCBS06TRUARC002C010S	2 x 10	80/0.4	19.16	601	DBW-03SP(UN)
RCBS06TRUARC002C016S	2 x 16	126/0.4	21.64	809	DBW-03SP(UN)
RCBS06TRUARC002C025S	2 x 25	196/0.4	25.57	1164	DBW-05A(UN)
RCBS06TRUARC003C004S	3 x 4	56/0.3	13.65	312	DBW-01S(UN)
RCBS06TRUARC003C006S	3 x 6	84/0.3	15.29	413	DBW-01A(UN)
RCBS06TRUARC003C010S	3 x 10	80/0.4	20.59	738	DBW-03SP(UN)
RCBS06TRUARC003C016S	3 x 16	126/0.4	23.24	1004	DBW-04A(UN)
RCBS06TRUARC003C025S	3 x 25	196/0.4	27.44	1451	DBW-05A(UN)
RCBS06TRUARC003C035S	3 x 35	276/0.4	30.61	1894	DBW-06SP(UN)
RCBS06TRUARC003C050S	3 x 50	396/0.4	35.51	2612	DBW-08(UN)
RCBS06TRUARC003C070S	3 x 70	360/0.5	39.87	3463	DBW-08(UN)
RCBS06TRUARC003C095S	3 x 95	484/0.5	45.46	4568	DBW-010A(UN)
RCBS06TRUARC003C120S	3 x 120	608/0.5	49.33	5540	DBW-010A(UN)
RCBS06TRUARC003C150S	3 x 150	750/0.5	54.36	6772	DBW-011SP(UN)
RCBS06TRUARC003C185S	3 x 185	925/0.5	59.75	8258	DBW-012(UN)
RCBS06TRUARC003C240S	3 x 240	1210/0.5	67.40	10646	DBW-013(UN)
RCBS06TRUARC003C300S	3 x 300	1527/0.5	74.74	13255	DBW-014(UN)

OUR ACCREDITATION



POLYCAB H07BN4-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	No. of strands/strand dia.	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARC004C004S	4 x 4	56/0.3	15.03	387	DBW-01A(UN)
RCBS06TRUARC004C006S	4 x 6	84/0.3	17.03	522	DBW-01A(UN)
RCBS06TRUARC004C010S	4 x 10	80/0.4	22.48	905	DBW-04A(UN)
RCBS06TRUARC004C016S	4 x 16	126/0.4	25.39	1241	DBW-05A(UN)
RCBS06TRUARC004C025S	4 x 25	196/0.4	30.43	1834	DBW-06SP(UN)
RCBS06TRUARC004C035S	4 x 35	276/0.4	33.91	2396	DBW-07SP(UN)
RCBS06TRUARC004C050S	4 x 50	396/0.4	39.30	3305	DBW-08(UN)
RCBS06TRUARC004C070S	4 x 70	360/0.5	44.32	4416	DBW-010A(UN)
RCBS06TRUARC004C095S	4 x 95	484/0.5	50.86	5871	DBW-010A(UN)
RCBS06TRUARC004C120S	4 x 120	608/0.5	54.72	7062	DBW-011SP(UN)
RCBS06TRUARC004C150S	4 x 150	750/0.5	60.46	8661	DBW-012(UN)
RCBS06TRUARC004C185S	4 x 185	925/0.5	66.60	10590	DBW-013(UN)
RCBS06TRUARC004C240S	4 x 240	1210/0.5	75.00	13636	DBW-014(UN)
RCBS06TRUARC004C300S	4 x 300	1527/0.5	83.29	17010	DBW-015(UN)
RCBS06TRUARC005C004S	5 x 4	56/0.3	16.71	418	DBW-01A(UN)
RCBS06TRUARC005C006S	5 x 6	84/0.3	18.86	566	DBW-02(UN)
RCBS06TRUARC005C010S	5 x 10	80/0.4	24.69	979	DBW-04A(UN)
RCBS06TRUARC005C016S	5 x 16	126/0.4	28.10	1362	DBW-05A(UN)
RCBS06TRUARC005C025S	5 x 25	196/0.4	33.60	2006	DBW-07SP(UN)

- DBW – Weather proof Series

OUR ACREDITATION



POLYCAB H07BN4-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance.

Nominal cross sectional area mm ²	Single-phase a.c. or d.c.		Three-phase a.c.	Max. DC conductor resistance at 20°C Ω/km Ω/km
	1 two-core cable, with or without protective conductor Amp	2 single-core cables, touching Amp	1 three-core, four core or five core Amp	
4	42	–	37	5.09
6	55	–	49	3.39
10	76	–	66	1.95
16	103	–	89	1.24
25	136	–	119	0.795
35	–	200	146	0.565
50	–	250	177	0.393
70	–	310	225	0.277
95	–	369	273	0.21
120	–	432	316	0.164
150	–	497	363	0.132
185	–	567	414	0.108
240	–	673	487	0.0817
300	–	773	560	0.0654
400	–	924	–	0.0495
500	–	1,062	–	0.0391
630	–	1,242	–	0.0292

The ambient temperature is 30°C.

Conductor operating temperature 90°C.

The above table is in accordance with Table 4F2A of BS 7671:2018

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable

Air temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H07BQ-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC



Application

POLYCAB H07BQ-F heavy-duty cable insulated with cross-linked elastomeric compound and sheathed with TPU. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

450/750 V

Operation Temperature

Fixed: -40°C to 90°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 6 (EPR) to EN 50363-1.
- Sheathed with thermoplastic polyurethane (TPPU) to EN 50363-10-2

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-10-2
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2500V AC at (20±5) °C

Compliance

Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H07BQ-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUAM1002C001S	2 x 1	7.58	74	DBW - 01SS (UN)
RCBS06TRUAM1002C1.5S	2 x 1.5	8.32	93	DBW - 01SS (UN)
RCBS06TRUAM1002C2.5S	2 x 2.5	9.83	136	DBW - 01SS (UN)
RCBS06TRUAM1002C001S	2 x 4	11.52	195	DBW - 01SS (UN)
RCBS06TRUAM1002C006S	2 x 6	12.87	259	DBW - 01S (UN)
RCBS06TRUAM1002C010S	2 x 10	16.96	445	DBW - 01A (UN)
RCBS06TRUAM1002C016S	2 x 16	19.24	616	DBW - 02 (UN)
RCBS06TRUAM1003C001S	3 x 1	8.04	89	DBW - 01SS (UN)
RCBS06TRUAM1003C1.5S	3 x 1.5	8.83	113	DBW - 01SS (UN)
RCBS06TRUAM1003C2.5S	3 x 2.5	10.44	167	DBW - 01SS (UN)
RCBS06TRUAM1003C004S	3 x 4	12.25	242	DBW - 01SS (UN)
RCBS06TRUAM1003C006S	3 x 6	13.89	330	DBW - 01S (UN)
RCBS06TRUAM1003C010S	3 x 10	18.19	564	DBW - 02 (UN)
RCBS06TRUAM1003C016S	3 x 16	20.84	798	DBW - 02 (UN)
RCBS06TRUAM1004C001S	4 x 1	8.99	113	DBW - 01SS (UN)
RCBS06TRUAM1004C1.5S	4 x 1.5	9.85	143	DBW - 01SS (UN)
RCBS06TRUAM1004C2.5S	4 x 2.5	11.63	212	DBW - 01SS (UN)
RCBS06TRUAM1004C004S	4 x 4	13.63	308	DBW - 01S (UN)
RCBS06TRUAM1004C006S	4 x 6	15.43	420	DBW - 01A (UN)
RCBS06TRUAM1004C010S	4 x 10	20.08	712	DBW - 02 (UN)
RCBS06TRUAM1004C016S	4 x 16	22.79	1003	DBW - 04A (UN)
RCBS06TRUAM1005C001S	5 x 1	10.00	120	DBW - 01SS (UN)
RCBS06TRUAM1005C1.5S	5 x 1.5	10.73	149	DBW - 01SS (UN)
RCBS06TRUAM1005C2.5S	5 x 2.5	12.90	227	DBW - 01S (UN)
RCBS06TRUAM1005C004S	5 x 4	15.11	332	DBW - 01A (UN)
RCBS06TRUAM1005C006S	5 x 6	17.06	456	DBW - 01A (UN)
RCBS06TRUAM1005C010S	5 x 10	22.09	774	DBW - 02 (UN)
RCBS06TRUAM1005C016S	5 x 16	25.30	1109	DBW - 05A (UN)

- DBW – Weatherproof series

OUR ACREDITATION



POLYCAB H07BQ-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Electrical characteristics

Current carrying capacity (1 mm² to 2.5 mm²) and maximum DC conductor resistance.

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp.	Three-phase a.c. Amp.	
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

Current carrying capacity (4 mm² to 16 mm²) and maximum DC conductor resistance.

Nominal cross sectional area mm ²	Single-phase a.c. or d.c.	Three-phase a.c.	Single-phase a.c. or d.c.	Max. DC conductor resistance at 20°C Ω/km
	1 two-core cable, with or without protective conductor Amp.	1 three-core, four-core or five-core Amp.	2 single-core cables, touching Amp.	
4	42	37	–	5.09
6	55	49	–	3.39
10	76	66	–	1.95
16	103	89	–	1.24

Ambient temperature: 30°C

Maximum conductor operating temperature: 90°C

The above table in accordance with the 4F3A & 4F2A of BS 7671

De-Rating Factor

De-rating factor for 90°C thermosetting insulated cable.

Air Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C	70°C	75°C	80°C	85°C
De-Rating Factor	0.95	0.91	0.86	0.82	0.76	0.7	0.64	0.57	0.5	0.4	0.28

OUR ACCREDITATION



POLYCAB H07RN8-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC



Application

POLYCAB H07RN8-F heavy-duty water-resistant cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, for installation in dry, damp or wet environments, in workshops with explosive atmospheres, it can be immersed in fresh water up to 10m depth and it could be used as energy supply cable for submersed pumps. Not advisable for under waterpower transmission or installation in a water way or where mechanical damage may occur a cause hazard

Voltage Rating

450/750 V

Operation Temperature

Fixed: -15°C to 60°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 4 (EPR) to EN 50363-1.
- Sheath either in a single layer, cross-linked elastomeric compound Type EM 2 (PCP) to EN 50363-2-1 or in two layers, with the inner layer made of one of the cross-linked elastomeric compounds type EM 2 or EM 3 to EN 50363-2-1 and the outer layer of cross linked elastomeric compound type EM 2 to EN 50363-2-1

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2500V AC at (20±5) °C

Compliance

Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval

Core Identification

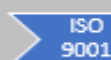
2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey
6 core & above	Green/Yellow, Black with white numbering



Bending Radius

Fixed installation – 8 x Overall diameter

OUR ACREDITATION



POLYCAB H07RN8-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARP001C1.5S	1 x 1.5	5.96	49	-
RCBS06TRUARP001C2.5S	1 x 2.5	6.62	65	DBW - 01SS (UN)
RCBS06TRUARP001C004S	1 x 4	7.56	91	DBW - 01SS (UN)
RCBS06TRUARP001C006S	1 x 6	8.33	118	DBW - 01SS (UN)
RCBS06TRUARP001C010S	1 x 10	10.08	183	DBW - 01SS (UN)
RCBS06TRUARP001C016S	1 x 16	11.32	254	DBW - 01SS (UN)
RCBS06TRUARP001C025S	1 x 25	13.18	367	DBW - 01S (UN)
RCBS06TRUARP001C035S	1 x 35	14.78	488	DBW - 01A (UN)
RCBS06TRUARP001C050S	1 x 50	17.07	677	DBW - 01A (UN)
RCBS06TRUARP001C070S	1 x 70	19.15	905	DBW - 02 (UN)
RCBS06TRUARP001C095S	1 x 95	21.74	1202	DBW - 02 (UN)
RCBS06TRUARP001C120S	1 x 120	23.68	1477	DBW - 04A (UN)
RCBS06TRUARP001C150S	1 x 150	26.01	1802	DBW - 05A (UN)
RCBS06TRUARP001C185S	1 x 185	28.69	2235	DBW - 05A (UN)
RCBS06TRUARP001C240S	1 x 240	31.63	2808	DBW - 06 SP (UN)
RCBS06TRUARP001C300S	1 x 300	34.67	3478	DBW - 07 SP (UN)
RCBS06TRUARP001C400S	1 x 400	38.92	4542	DBW - 08 (UN)
RCBS06TRUARP001C500S	1 x 500	42.74	5600	DBW - 09 (UN)
RCBS06TRUARP001C630S	1 x 630	46.46	6906	DBW - 010A (UN)
RCBS06TRUARP002C001S	2 x 1	8.38	91	DBW - 01SS (UN)
RCBS06TRUARP002C1.5S	2 x 1.5	9.32	116	DBW - 01SS (UN)
RCBS06TRUARP002C2.5S	2 x 2.5	11.03	168	DBW - 01SS (UN)
RCBS06TRUARP002C004S	2 x 4	12.72	234	DBW - 01S (UN)
RCBS06TRUARP002C006S	2 x 6	14.27	308	DBW - 01A (UN)
RCBS06TRUARP002C010S	2 x 10	19.16	547	DBW - 02 (UN)
RCBS06TRUARP002C016S	2 x 16	21.64	742	DBW - 02 (UN)
RCBS06TRUARP002C025S	2 x 25	25.57	1072	DBW - 05A (UN)
RCBS06TRUARP003C001S	3 x 1	9.04	111	DBW - 01SS (UN)
RCBS06TRUARP003C1.5S	3 x 1.5	10.03	141	DBW - 01SS (UN)
RCBS06TRUARP003C2.5S	3 x 2.5	11.84	206	DBW - 01SS (UN)
RCBS06TRUARP003C004S	3 x 4	13.65	288	DBW - 01S (UN)
RCBS06TRUARP003C006S	3 x 6	15.29	383	DBW - 01A (UN)
RCBS06TRUARP003C010S	3 x 10	20.59	681	DBW - 02 (UN)
RCBS06TRUARP003C016S	3 x 16	23.24	934	DBW - 04A (UN)
RCBS06TRUARP003C025S	3 x 25	27.44	1356	DBW - 05A (UN)
RCBS06TRUARP003C035S	3 x 35	30.61	1777	DBW - 06 SP (UN)
RCBS06TRUARP003C050S	3 x 50	35.51	2458	DBW - 08 (UN)
RCBS06TRUARP003C070S	3 x 70	39.74	3245	DBW - 08 (UN)
RCBS06TRUARP003C095S	3 x 95	45.46	4323	DBW - 010A (UN)
RCBS06TRUARP003C120S	3 x 120	49.38	5269	DBW - 010A (UN)
RCBS06TRUARP003C150S	3 x 150	54.36	6430	DBW - 011 SP (UN)
RCBS06TRUARP003C185S	3 x 185	60.09	7966	DBW - 012 (UN)
RCBS06TRUARP003C240S	3 x 240	67.40	10128	DBW - 013 (UN)

OUR ACCREDITATION



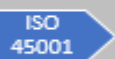
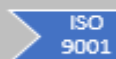
POLYCAB H07RN8-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARP003C300S	3 x 300	74.74	12624	DBW - 014 (UN)
RCBS06TRUARP004C001S	4 x 1	9.99	137	DBW - 01SS (UN)
RCBS06TRUARP004C1.5S	4 x 1.5	11.05	175	DBW - 01SS (UN)
RCBS06TRUARP004C2.5S	4 x 2.5	13.03	255	DBW - 01S (UN)
RCBS06TRUARP004C004S	4 x 4	15.03	360	DBW - 01A (UN)
RCBS06TRUARP004C006S	4 x 6	17.03	487	DBW - 01A (UN)
RCBS06TRUARP004C010S	4 x 10	22.48	841	DBW - 04A (UN)
RCBS06TRUARP004C016S	4 x 16	25.39	1161	DBW - 05A (UN)
RCBS06TRUARP004C025S	4 x 25	30.43	1722	DBW - 06 SP (UN)
RCBS06TRUARP004C035S	4 x 35	33.91	2259	DBW - 07 SP (UN)
RCBS06TRUARP004C050S	4 x 50	39.30	3126	DBW - 08 (UN)
RCBS06TRUARP004C070S	4 x 70	44.17	4155	DBW - 010A (UN)
RCBS06TRUARP004C095S	4 x 95	50.86	5577	DBW - 010A (UN)
RCBS06TRUARP004C120S	4 x 120	54.78	6748	DBW - 011 SP (UN)
RCBS06TRUARP004C150S	4 x 150	60.46	8258	DBW - 012 (UN)
RCBS06TRUARP004C185S	4 x 185	66.98	10259	DBW - 013 (UN)
RCBS06TRUARP004C240S	4 x 240	75.00	13028	DBW - 014 (UN)
RCBS06TRUARP004C300S	4 x 300	83.29	16265	DBW - 015 (UN)
RCBS06TRUARP005C001S	5 x 1	11.00	146	DBW - 01SS (UN)
RCBS06TRUARP005C1.5S	5 x 1.5	12.13	188	DBW - 01SS (UN)
RCBS06TRUARP005C2.5S	5 x 2.5	14.30	274	DBW - 01A (UN)
RCBS06TRUARP005C004S	5 x 4	16.71	393	DBW - 01A (UN)
RCBS06TRUARP005C006S	5 x 6	18.86	535	DBW - 02 (UN)
RCBS06TRUARP005C010S	5 x 10	24.69	921	DBW - 04A (UN)
RCBS06TRUARP005C016S	5 x 16	28.10	1290	DBW - 05A (UN)
RCBS06TRUARP005C025S	5 x 25	33.60	1908	DBW - 07 SP (UN)
RCBS06TRUARP006C1.5S	6 x 1.5	14.48	259	DBW - 01A (UN)
RCBS06TRUARP006C2.5S	6 x 2.5	16.85	367	DBW - 01A (UN)
RCBS06TRUARP006C004S	6 x 4	19.48	515	DBW - 02 (UN)
RCBS06TRUARP007C1.5S	7 x 1.5	14.68	287	DBW - 01A (UN)
RCBS06TRUARP007C2.5S	7 x 2.5	17.05	407	DBW - 01A (UN)
RCBS06TRUARP007C004S	7 x 4	19.88	583	DBW - 02 (UN)
RCBS06TRUARP012C1.5S	12 x 1.5	18.95	459	DBW - 02 (UN)
RCBS06TRUARP012C2.5S	12 x 2.5	22.07	656	DBW - 02 (UN)
RCBS06TRUARP012C004S	12 x 4	25.97	953	DBW - 05A (UN)
RCBS06TRUARP018C1.5S	18 x 1.5	22.21	648	DBW - 04A (UN)
RCBS06TRUARP018C2.5S	18 x 2.5	26.08	943	DBW - 05A (UN)
RCBS06TRUARP018C004S	18 x 4	30.60	1369	DBW - 06 SP (UN)
RCBS06TRUARP024C1.5S	24 x 1.5	25.97	854	DBW - 05A (UN)
RCBS06TRUARP024C2.5S	24 x 2.5	30.69	1254	DBW - 06 SP (UN)
RCBS06TRUARP036C1.5S	36 x 1.5	29.73	1195	DBW - 06 SP (UN)
RCBS06TRUARP036C2.5S	36 x 2.5	35.31	1777	DBW - 08 (UN)

- DBW – Weather proof series

OUR ACCREDITATION



POLYCAB H07RN8-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance. (1 mm² to 2.5 mm²)

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp	Three-phase a.c. Amp	
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

Current carrying capacity and max. DC conductor resistance. (4 mm² and above)

Nominal cross sectional area mm ²	Single-phase a.c. or d.c.		Three-phase a.c.	Max. DC conductor resistance at 20°C Ω/km
	1 two-core cable, with or without protective conductor Amp	2 single-core cable Amp	1 three-core, four-core or five-core Amp	
4	30	–	26	5.09
6	39	–	34	3.39
10	51	–	47	1.95
16	73	–	63	1.24
25	97	–	83	0.795
35	–	140	102	0.565
50	–	175	124	0.393
70	–	216	158	0.277
95	–	258	192	0.21
120	–	302	222	0.164
150	–	347	255	0.132
185	–	394	291	0.108
240	–	471	343	0.0817
300	–	541	394	0.0654
400	–	644	–	0.0495
500	–	738	–	0.0391
630	–	861	–	0.0292

The ambient temperature is 30°C.

Conductor operating temperature 60°C.

The above table is in accordance with Table 4F3 A & 4F1A of BS 7671:2018

De-Rating Factor

De-rating factor for 60°C thermosetting or thermoplastic insulated cable

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

OUR ACCREDITATION



POLYCAB H07RN-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC



Application

POLYCAB H07RN-F heavy-duty cable insulated and sheathed with cross-linked elastomeric compound. This cable fulfils the requirement as per EN 50525-2-21, cables are intended to use for a variety of applications where appliances or equipment, including heavy industrial equipment, require a flexible connection to the power supply.

Voltage Rating

450/750 V

Operation Temperature

Fixed: -15°C to 60°C

Construction

- Annealed bunched tinned copper conductor as per IEC 60228, class 5
- Insulated with cross-linked elastomeric compound Type EI 7 (EPR) to EN 50363-1.
- Sheathing either in a single layer, cross-linked elastomeric compound Type EM 7 (CSP) to EN 50363-2-1 or in two layers, with the inner layer made of one of the cross-linked elastomeric compounds type EM 7 or EM 6 to EN 50363-2-1 and the outer layer of cross linked elastomeric compound type EM 7 to EN 50363-2-1

Core Identification

2 core	Blue, Brown
3 core	Green/Yellow, Blue, Brown
4 core	Green/Yellow, Brown, Black, Grey
5 core	Green/Yellow, Blue, Brown, Black, Grey

Bending Radius

Fixed installation – 8 x Overall diameter

Standard and References

IEC 60228
BS EN 50363-1
BS EN 50363-2-1
BS EN 50525-2-21
IEC 60332-1-2

Test Voltage

2500V AC at (20±5) °C

Compliance

Conductor Resistance test	- IEC 60228
Insulation Resistance test	- EN 50525-2-21
Test under fire condition	- EN 60332-1-2

Flame retardant properties as per IEC 60332-1-2

Approval



OUR ACCREDITATION



POLYCAB H07RN-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Class of Conductor	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARC001C1.5S	1 x 1.5	30/0.2	5.85	44	-
RCBS06TRUARC001C2.5S	1 x 2.5	50/0.2	6.41	72	DBW-01SS(UN)
RCBS06TRUARC001C004S	1 x 4	56/0.3	7.56	99	DBW-01SS(UN)
RCBS06TRUARC001C006S	1 x 6	84/0.3	8.33	128	DBW-01SS(UN)
RCBS06TRUARC001C010S	1 x 10	80/0.4	10.08	197	DBW-01SS(UN)
RCBS06TRUARC001C016S	1 x 16	126/0.4	11.32	270	DBW-01SS(UN)
RCBS06TRUARC001C025S	1 x 25	196/0.4	13.18	388	DBW-01S(UN)
RCBS06TRUARC001C035S	1 x 35	276/0.4	14.78	514	DBW-01A(UN)
RCBS06TRUARC001C050S	1 x 50	396/0.4	17.07	710	DBW-02(UN)
RCBS06TRUARC001C070S	1 x 70	360/0.5	19.21	953	DBW-03 SP(UN)
RCBS06TRUARC001C095S	1 x 95	484/0.5	21.74	1252	DBW-03 SP(UN)
RCBS06TRUARC001C120S	1 x 120	608/0.5	23.65	1531	DBW-04 A(UN)
RCBS06TRUARC001C150S	1 x 150	750/0.5	26.01	1871	DBW-05A(UN)
RCBS06TRUARC001C185S	1 x 185	925/0.5	28.54	2281	DBW-05A(UN)
RCBS06TRUARC001C240S	1 x 240	1210/0.5	31.63	2902	DBW-06SP(UN)
RCBS06TRUARC001C300S	1 x 300	1527/0.5	34.67	3587	DBW-07SP(UN)
RCBS06TRUARC001C400S	1 x 400	2036/0.5	38.92	4672	DBW-08(UN)
RCBS06TRUARC001C500S	1 x 500	2530/0.5	42.67	6559	DBW-010A(UN)
RCBS06TRUARC001C630S	1 x 630	3180/0.5	46.34	7988	DBW-010A(UN)
RCBS06TRUARC002C001S	2 x 1	32/0.2	8.38	101	DBW-01SS(UN)
RCBS06TRUARC002C1.5S	2 x 1.5	30/0.2	8.70	108	DBW-01SS(UN)
RCBS06TRUARC002C2.5S	2 x 2.5	50/0.2	10.22	152	DBW-01SS(UN)
RCBS06TRUARC002C004S	2 x 4	56/0.3	12.72	257	DBW-01S(UN)
RCBS06TRUARC002C006S	2 x 6	84/0.3	14.27	337	DBW-01A(UN)
RCBS06TRUARC002C010S	2 x 10	80/0.4	19.16	601	DBW-03SP(UN)
RCBS06TRUARC002C016S	2 x 16	126/0.4	21.64	809	DBW-03SP(UN)
RCBS06TRUARC002C025S	2 x 25	196/0.4	25.57	1164	DBW-05A(UN)
RCBS06TRUARC003C001S	3 x 1	32/0.2	9.04	121	DBW-01SS(UN)
RCBS06TRUARC003C1.5S	3 x 1.5	30/0.2	9.35	128	DBW-01SS(UN)
RCBS06TRUARC003C2.5S	3 x 2.5	50/0.2	10.97	181	DBW-01SS(UN)
RCBS06TRUARC003C004S	3 x 4	56/0.3	13.65	312	DBW-01S(UN)
RCBS06TRUARC003C006S	3 x 6	84/0.3	15.29	413	DBW-01A(UN)
RCBS06TRUARC003C010S	3 x 10	80/0.4	20.59	738	DBW-03SP(UN)
RCBS06TRUARC003C016S	3 x 16	126/0.4	23.24	1004	DBW-04A(UN)
RCBS06TRUARC003C025S	3 x 25	196/0.4	27.44	1451	DBW-05A(UN)
RCBS06TRUARC003C035S	3 x 35	276/0.4	30.61	1894	DBW-06SP(UN)
RCBS06TRUARC003C050S	3 x 50	396/0.4	35.51	2612	DBW-08(UN)
RCBS06TRUARC003C070S	3 x 70	360/0.5	39.87	3463	DBW-08(UN)
RCBS06TRUARC003C095S	3 x 95	484/0.5	45.46	4568	DBW-010A(UN)

OUR ACCREDITATION



POLYCAB H07RN-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Product Code	Construction n x mm ²	Class of Conductor	Overall Diameter mm	Weight (Approx.) kg/km	POLYCAB/DOWEL Gland Size
RCBS06TRUARC003C120S	3 x 120	608/0.5	49.33	5540	DBW-010A(UN)
RCBS06TRUARC003C150S	3 x 150	750/0.5	54.36	6772	DBW-011SP(UN)
RCBS06TRUARC003C185S	3 x 185	925/0.5	59.75	8258	DBW-012(UN)
RCBS06TRUARC003C240S	3 x 240	1210/0.5	67.40	10646	DBW-013(UN)
RCBS06TRUARC003C300S	3 x 300	1527/0.5	74.74	13255	DBW-014(UN)
RCBS06TRUARC004C001S	4 x 1	32/0.2	9.99	150	DBW-01SS(UN)
RCBS06TRUARC004C1.5S	4 x 1.5	30/0.2	10.29	156	DBW-01SS(UN)
RCBS06TRUARC004C2.5S	4 x 2.5	50/0.2	12.06	222	DBW-01SS(UN)
RCBS06TRUARC004C004S	4 x 4	56/0.3	15.03	387	DBW-01A(UN)
RCBS06TRUARC004C006S	4 x 6	84/0.3	17.03	522	DBW-01A(UN)
RCBS06TRUARC004C010S	4 x 10	80/0.4	22.48	905	DBW-04A(UN)
RCBS06TRUARC004C016S	4 x 16	126/0.4	25.39	1241	DBW-05A(UN)
RCBS06TRUARC004C025S	4 x 25	196/0.4	30.43	1834	DBW-06SP(UN)
RCBS06TRUARC004C035S	4 x 35	276/0.4	33.91	2396	DBW-07SP(UN)
RCBS06TRUARC004C050S	4 x 50	396/0.4	39.30	3305	DBW-08(UN)
RCBS06TRUARC004C070S	4 x 70	360/0.5	44.32	4416	DBW-010A(UN)
RCBS06TRUARC004C095S	4 x 95	484/0.5	50.86	5871	DBW-010A(UN)
RCBS06TRUARC004C120S	4 x 120	608/0.5	54.72	7062	DBW-011SP(UN)
RCBS06TRUARC004C150S	4 x 150	750/0.5	60.46	8661	DBW-012(UN)
RCBS06TRUARC004C185S	4 x 185	925/0.5	66.60	10590	DBW-013(UN)
RCBS06TRUARC004C240S	4 x 240	1210/0.5	75.00	13636	DBW-014(UN)
RCBS06TRUARC004C300S	4 x 300	1527/0.5	83.29	17010	DBW-015(UN)
RCBS06TRUARC005C1.5S	5 x 1.5	30/0.2	11.29	165	DBW-01SS(UN)
RCBS06TRUARC005C2.5S	5 x 2.5	50/0.2	13.41	241	DBW-01S(UN)
RCBS06TRUARC005C004S	5 x 4	56/0.3	16.71	418	DBW-01A(UN)
RCBS06TRUARC005C006S	5 x 6	84/0.3	18.86	566	DBW-02(UN)
RCBS06TRUARC005C010S	5 x 10	80/0.4	24.69	979	DBW-04A(UN)
RCBS06TRUARC005C016S	5 x 16	126/0.4	28.10	1362	DBW-05A(UN)
RCBS06TRUARC005C025S	5 x 25	196/0.4	33.60	2006	DBW-07SP(UN)
RCBS06TRUARC007C1.5S	7 x 1.5	30/0.2	14.75	294	DBW-01A(UN)
RCBS06TRUARC007C2.5S	7 x 2.5	50/0.2	17.24	407	DBW-02(UN)
RCBS06TRUARC012C1.5S	12 x 1.5	30/0.2	17.65	405	DBW-02(UN)
RCBS06TRUARC012C2.5S	12 x 2.5	50/0.2	21.43	601	DBW-03SP(UN)
RCBS06TRUARC019C1.5S	19 x 1.5	30/0.2	22.44	664	DBW-04A(UN)

- DBW – Weather proof Series

OUR ACCREDITATION



POLYCAB H07RN-F BS EN 50525-2-21 MC

Rubber Cable, 450/750 V AC

Electrical Characteristics

Current carrying capacity and max. DC conductor resistance. (1 mm² to 2.5 mm²)

Nominal cross sectional area mm ²	Current-carrying capacity		Max. DC conductor resistance at 20°C Ω/km
	Single-phase a.c. Amp	Three-phase a.c. Amp	
1	10	10	20
1.5	16	16	13.7
2.5	25	20	8.21

Current carrying capacity and max. DC conductor resistance. (4 mm² and above)

Nominal cross sectional area mm ²	Single-phase a.c. or d.c.		Three-phase a.c.	Max. DC conductor resistance at 20°C Ω/km
	1 two-core cable, with or without protective conductor Amp	2 single-core cable Amp	1 three-core, four-core or five-core Amp	
4	30	–	26	5.09
6	39	–	34	3.39
10	51	–	47	1.95
16	73	–	63	1.24
25	97	–	83	0.795
35	–	140	102	0.565
50	–	175	124	0.393
70	–	216	158	0.277
95	–	258	192	0.21
120	–	302	222	0.164
150	–	347	255	0.132
185	–	394	291	0.108
240	–	471	343	0.0817
300	–	541	394	0.0654
400	–	644	–	0.0495
500	–	738	–	0.0391
630	–	861	–	0.0292

The ambient temperature is 30°C.

Conductor operating temperature 60°C.

The above table is in accordance with Table 4F3 A & 4F1A of BS 7671:2018

De-Rating Factor

De-rating factor for 60°C thermosetting or thermoplastic insulated cable.

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

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