



ÖLFLEX® POWER LV HR PVC FR ARM

PVC Insulated Heavy Duty Application Heat Resistant (HR) FR PVC Armoured Cable As per IS 1554 (Part-I) 1988



Info

- Low voltage power cable 650/1100 V
- Armoured and double sheathed FR cable for heavy duty / direct burial application

Benefits

- Wide range of product variants, up to 300 articles
- Extra mechanical protection due to Steel Armour
- Expanded temperature application

Application range

- For main power distribution and lighting circuits in residential and commercial areas
- Power and control circuit
- Telecom power supply
- Suitable for direct burial installations as well as in air or ducts
- Armoured cable best suitable for heavy duty installations
- For expanded temperature application
- Particularly where human and animal life as well as valuable property are exposed to risk of fire hazards

Product features

- Flame retardant: According to IEC 60332-1-2 / IEC 60332-3-24

- UV - resistant outer sheath for outdoor application and AR best suitable anti rodent application
- Oxygen Index(Min.) : >29% as per ASTM D 2863 (only for FRLS Outer Sheath)
- Temp. Index (Min.) : >250 Deg C as per ASTM D 2863 (only for FRLS Outer Sheath)
- HCL gas emission (Max.): 20% By weight; Smoke Density : Min. Visibility 40% (only for FRLS Outer Sheath)

Norm references / Approvals

- IS 1554 (Part-I) 1988

Product Make-up

- Conductor : Annealed bare copper conductor of Class II as per IS 8130
- Insulation : PVC Type C as per IS 5831
- Inner Sheath :
 - i) PVC ST II as per IS 5831;
 - ii) FRLS PVC ST II
- Mechanical Protection :
 - i) WA - Aluminium Wire Armour;
 - ii) SWA - GI wire Armour;
 - iii) SSA - GI strip Armour
- Outer Sheath :
 - i) FRLS PVC ST II;
 - ii) FRLS PVC ST II with UVAR

Technical data

- Core identification code**
As per IS 1554 (Part-I) 1988
- Conductor stranding**
Class II as per IS 8130
- Minimum bending radius**
15 Times the OD
- Nominal voltage**
1100 Volts
- Temperature range**
-5°C up to +85°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® POWER LV HR FR ARM - RIY3WAY21BK				
382007726	1 X 4	11.0	34.6	176
382007738	1 X 240	32.1	2,104.9	2,934
ÖLFLEX® POWER LV HR FR SSA - RIY3SSAY21BK				
382006729	1 X 120	23.0	1037.3	1718
ÖLFLEX® POWER LV HR FR SSA - RIY3Y2SSAY21BK				
382006610	12 X 1.5	19.7	159.8	770
382006670	12 X 2.5	22.2	261.0	965
382006769	3 x 25 + 1 x 16	26.3	797.0	1,656
382006763	3 X 120	38.9	3,112.0	4,575
382006774	3 x 120 + 1 x 70	42.1	3,704.2	5,374
382006789	4 X 120	45.2	4,149.3	6,013
382006792	4 X 240	62.0	8,419.6	11,414
ÖLFLEX® POWER LV HR FR SWA - RIY3SWAY21BK				
382006720	1 X 4	11.0	34.6	263
ÖLFLEX® POWER LV HR FR SWA - RIY3Y2SWAY21BK				
382006600	2 X 1.5	13.6	26.6	392
382006601	3 X 1.5	14.1	40.0	440
382006602	4 X 1.5	15.0	53.3	500
382006605	7 X 1.5	16.8	93.2	610
382006661	3 X 2.5	15.4	65.2	522
382006662	4 X 2.5	16.4	87.0	608
382006665	7 X 2.5	18.6	152.2	760
382006739	2 X 4	16.2	69.2	575
382006754	3 X 4	16.9	103.8	650
382006780	4 X 4	18.1	138.4	745

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® POWER LV HR FR ARM UVAR - RIY3WAY2UVAR1BK				
382007745	1 X 4	11.0	34.6	176
382007754	1 X 120	24.6	1,037.3	1,573
382007757	1 X 240	32.1	2,104.9	2,934
382007763	1 X 1000	59.2	9,017.6	11,423
ÖLFLEX® POWER LV HR FR SSA UVAR - RIY3Y2SSAY2UVAR1BK				
382006804	12 X 1.5	19.7	159.8	770
382006864	12 X 2.5	22.2	261.0	965
382006863	3 x 25 + 1 x 16	26.3	797.0	1,656
382006957	3 X 120	38.9	3,112.0	4,575
382006968	3 x 120 + 1 x 70	42.1	3,704.2	5,374
382006983	4 X 120	45.2	4,149.3	6,013
ÖLFLEX® POWER LV HR FR SSA UVAR - RIY3SSAY2UVAR1BK				
382006923	1 X 120	23.0	1,037.3	1,718
382006932	1 X 1000	55.8	9,017.6	11,501
ÖLFLEX® POWER LV HR FR SWA UVAR - RIY3SWAY2UVAR1BK				
382006914	1 X 4	11.0	34.6	263
ÖLFLEX® POWER LV HR FR SWA UVAR - RIY3Y2SWAY2UVAR1BK				
382006795	3 X 1.5	14.1	40.0	440
382006796	4 X 1.5	15.0	53.3	500
382006855	3 X 2.5	15.4	65.2	522
382006856	4 X 2.5	16.4	87.0	608
382006948	3 X 4	16.9	103.8	650
382006974	4 X 4	18.1	138.4	745

• If not otherwise specified, all values relating to the product are nominal values. Other value information, such as tolerances, for example, can be obtained on request where available and released for publishing.
 • Photographs are not to scale and do not represent detailed images of the respective products.