

BiTmining® REELPUR HF

RoHS 2015/863/EU



LVD 2014/35/EU

CPR

CPR 305/2011

24 months warranty

Power and control cable with increased mechanical resistance, halogen-free, rated voltage 0.6/1 kV



Mining cables



industrial application



internal application



external application



halogen-free
EN 60754



EN 60332-1-2



high flexibility



UV resistance



oil resistant
EN 60811-404



mechanical resistance

Technical data:

Thermal parameters:

Ambient temperature:

fixed installation: -40 °C to 80 °C
flexible operation: -30 °C to 80 °C

Max. permissible conductor temp.: 90 °C

Max. short-circuit temp. at conductor: 250 °C

Mechanical parameters:

Max. tensile load per conductor: 20 N/mm²

Bending radius:

fixed installation: ≥ 6 x outer - Ø
reeeling application: ≥ 8 x outer - Ø

Design:

Conductors:

bare, annealed copper conductors, multi-stranded class 5 acc. to EN 60228

Insulation:

XLPE acc. to IEC 60502-1

Core identification:

black, brown, grey, 3 x green-yellow; pilot cores: white and blue

Core arrangement:

three main conductors laid up with protective-earth conductors around strain-relief element with aramide, pilot cores in the outer interstices
special PUR compound
PUR, colour: yellow (dull)

Inner sheath:

Outer sheath:

Application:

Halogen-free cable used to supply power to mobile and portable devices in conditions of mechanical stress and in places where cable is often reeled and unreel. Recommended for devices such as cable reels, hoisting devices, conveyor facilities, mobile motors. Suitable for installations in places exposed to high mechanical stress in dry, humid and wet rooms as well as for outdoor use.

Chemical parameters:

Resistance to oil:

DIN EN / IEC 60811-404

Behaviour in case of fire:

DIN EN / IEC 60332-1-2

Weather resistance:

unrestricted use indoors, outdoors, resistance to ozone, UV and moisture

Electrical parameters:

Rated voltage U_0/U [kV]

0.6/1 kV

Maximum permissible operating voltage $U_{0,max}$ in AC systems [kV]:

0.7/1.2

Maximum permissible operating voltage $U_{0,max}$ in DC systems [kV]:

0.9/1.8

AC. test voltage acc. to DIN VDE 0250-813 [kV]:

2.5

Cat. no.	n x mm ²	Outer diameter min. – max. [mm]	Approximate cable weight [kg/km]
BM1345	3x25+3G6+2x1x1	23,0-24,5	1200
BM1346	3x35+3G6+2x1x1,5	27,0-28,5	1580
BM1347	3x50+3G10+2x1x1,5	31,5-33,0	2250
BM1348	3x70+3G16+2x1x1,5	35,5-37,5	3120
BM1349	3x95+3G16+2x1x1,5	40,0-42,5	3900
BM1350	3x120+3G25+2x1x1,5	44,0-46,5	5020
BM1351	3x150+3G25+2x1x1,5	48,5-52,0	5980

Cable Factory BITNER reserves the right to modify specifications without prior notification.

Note: on customer's request other cross sections or number of cores can be produced