**CBL ELEC N-ARM FIRE,0.45/0.75KV,3X2.5MM² 2030**Fire spec non armoured electrical cable
Flammability properties        FLAME RETANDANT
Voltage                        0.45/0.75 kV
Construction                   Cu/EPR/SE4
Mat, conductor wire            COPPER
Mat spec, insulation           EPR
Mat spec, outer sheath         SE4
Colour, outer sheath           BLACK
Identification, cores          BROWN(L1), BLACK(L2), GREY(L3)
Number, cores                  3
Cross section, cores           2.5 mm²
Diameter, od, overall          10.9 mm (NOTE LESS)
14.0 mm
Shape                          CIRCULAR
Class                          5 (BS EN 60228 / GOST 22483)
Standard                       IEC 60228/GOST 22483
Current rating, short-circuit  0.85/0.38/0.27 kA
(0.1/0.5/1.0 s)
Separation layer               SYNTHETIC TAPE/
TALC POWDER OR OTHER
SIMILAR MATERIAL
Temperature rating, operating  +60 °C (MAX)
Bending radius, min            112 mm (8 x D)
Resistance, conductor, min     7.98 ohm/km AT 20 ºC
Reactance, max                 0.105 ohm/km AT 50 Hz
Current rating, air            25 A AT 30 °C (ADMISSIBLE
SUSTAINED)
Temperature rating, conductor  200/250 °C
Climate application            HL/UHL 1 GOST 15150
Temperature rating , ambient   -50 / +50 °C
Relative humidity              98 %  AT 35 °C
Installation temperature       -10 °C (WITHOUT PRE-HEATING)
Service life                   25 YR (MIN)
Warranty rated life            1 YR
Weigh                          250 kgs/km
Operation requirementS:
1.Place of operation:
Onshore technological complexes.
The cables in all respects, be suitable for operation in
conditions prevailing within a typical petrochemical
facility and the stated service conditions where the
atmosphere shall be regarded as saliferous and corrosive,
as commonly encountered in installations in close proximity
to the
2. Appointment:
A) Stationary laying conditions (motionless)- Yes
B)Non-stationary laying conditions (in motion) -No
Compliance internal requirements of company sakhalin energy:
1000-S-40-68-S-0003-00 Technical specification for electric
cables / wires and glands onshore
Compliance with regulatory requirements:
IEC 60245-4/ ГОСТ IEC 60245-4
IEC 61034-2 / GOST IEC 61034-2 (minimum light transmission
value of 60%)
IEC 60754-1 / GOST IEC 60754-1 (maximum halogen gas emission
of 0.5%)
IEC 60754-2 / GOST IEC 60754-2(index pH ≥ 4.3, conductivity
≤ 10 μS.mm-1)
IEC 60684-2 (maximum fluorine emission 0.1%)
IEC 60332-1-2 / ГОСТ IEC 60332-1-2(flame retardant cable at
single laying)
IEC 60079-14 / GOST IEC 60079-14  and(or) GOST R 58342 (for
cable use in hazardous classified areas)
Notes:
1. Any deviations from the stated requirements must be
communicated to the Customer and agreed.
2.Requirements for the need to conduct tests for resistance
to ozone are set when ordering. The length of the cable on
the drum is agreed upon when ordering.
3. Installation Method E(МЭК60364-5-52 / GOST R 50571-5-52)
for Three loaded conductors in air, at 30 ºC
Others:
The size of the cable entry is determined when choosing the
supplier / manufacturer of cable products
Abbreviations:
Cu – copper
EPR - Ethylene-propylene rubber
SE4 - Cable in a compound sheath based on polychloroprene
compound (PCP) or other equivalent synthetic elastomer

A01 Vendor Master Data Schedule (VMDS)
B07 Vendor's Declaration of Compliance
H18 Catalogue Data
K04 Factory Acceptance Test Reports
K38 CU TR Certificate / Declaration of Conformity for Low Voltage Equipment
K39 RF / CU TR Fire Safety Certificate of Conformity
L04 Quality Management Accreditation (including any manufacturing licenses held by Vendor, e.g. API, ASME etc.)
P06 Preparation for Shipping with Recommended Handling, Storage & Preservation Procedures
Recommended for purchase in Russian Federation

**CBL ELEC N-ARM FIRE,150/250V,2PR,1.0MM² 550м**

Fire spec non armoured electrical cable

Application                    INSTRUMENT FIELD
Flammability properties        FLAME RETARDANT
Voltage                        150/250 V
Mat, conductor wire            COPPER
STRANDED TINNED ANNEALED
Mat spec, inner sheath         LSF
Mat spec, outer sheath         LSF
Colour, outer sheath           GREY
Identification, cores          BLACK/WHITE INSULATION
WHITE/BLACK LETTERING ON
Flame, propagation             IEC-60332-3 CATEGORY A
Emission, smoke                IEC-61034-2
Number, cores                  2 PAIR
Cross section, cores           1.0 mm²

Mat, conductor insulation      ETHYLENE PROPYLENE RUBBER
Overall screen                 ALUMINIUM BACKED POLYESTER
TAPE WITH STRANDED TINNED
COPPER DRAIN WIRE
- HCI emission less than 0.5%
- Oxygen index of bedding and sheathing greater than 30%

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