ttcables
ELECTRIC CABLE WORKS

N2XCH

Power cable 0,6/1 kV with XLPE insulation and HFFR sheath

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.)

TECHNICAL CHARACTERISTICS

CPR class: Dca- s1,d2,a1
Test voltage: 4 kV
Rated voltage: 0,6/1 kV
Bending radius (min): single-core – 15D; multicore- 12D
Min. laying temperature:-5°C
Max. conductor temperature: 70°C
Max. short-circuit temperature: 160°C

CONSTRUCTION

Conductors: Cu rope
Insulation: XLPE compound
Filling: Extruded elastomere or plastomere compound or plastic tape
Concentric conductor: Cu wires with counter helix of Cu tape
Sheath: HFFR compound

STANDARD

IHD 604 S1; VDE 0276-604; IEC 60502-1
EN 60332-3-24, Cat. C

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:
Single-core: Green/Yellow OR Black
2-core: Brown Blue
3-core (a): Green/Yellow Brown Blue
3-core (b): Black Brown Grey
4-core (a): Green/Yellow Brown Black Grey
4-core (b): Blue Brown Black Grey
5-core: Green/Yellow Blue Brown Black Grey

Outer Sheath Colour:
Black
Other colours available on request

CERTIFICATION

CE
IEC International Electrotechnical Commission
REACH COMPLIANT
RoHS compliant

NOMINAL CROSS-SECTION	CONDUCTOR SHAPE	MAX. RESISTANCE AT 20°C	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm²		Ω/km	A	A	mm	kg/km	kg/km
1x120/70	RM	0,153	380	349	21,2	1824	2151
1x150/70	RM	0,124	437	393	23	2112	2500
1x185/95	RM	0,0991	507	445	25,3	2688	3137
1x240/120	RM	0,0754	604	517	28,2	3456	3985
1x300/150	RM	0,0601	697	583	30,9	4320	4920
1x400/185	RM	0,044	811	663	35,6	5616	6386
3x25/16	RM	0,727	105	132	20,7	873,6	1138
3x70/35	SM	0,268	199	232	30,5	2352	2751
4x4/16	RE	4,61	43	52	15,7	307,2	541
4x10/10	RE/RM	1,83	74	86	16,5	480	684
4x16/16	RM	1,15	98	112	19	768	1005
4x25/16	RM	0,727	133	145	22,6	1113,6	1413
4x35/16	RM	0,524	162	174	25,3	1497,6	1827
4x50/25	SM	0,387	197	206	29,2	2160	2561
4x70/35	SM	0,268	250	254	33,5	3024	3529
4x95/50	SM	0,193	308	305	37,9	4128	4725
4x120/70	SM	0,153	359	348	42,4	5280	5978
4x150/70	SM	0,124	412	392	47	6432	7287
4x185/95	SM	0,0991	475	444	52,4	8016	9029
4x240/120	SM	0,0754	564	517	58,9	10368	11589
5x25	RM	0,727	133	145	24,7	1353,6	1674
5x35	RM	0,524	162	174	27,7	1833,6	2195
5x50	RM	0,387	197	206	32	2640	3085