

FURUKAWA ELECTRIC INDUSTRIAL CABLE CO., LTD  
 CABLE ENGINEERING SECTION  
 ENGINEERING DEPARTMENT  
 ENGINEERING DEVELOPMENT DIVISION

### Rated voltage

In the voltage designation of cables  $U_0/U (U_m)$  are given table1.

Table1 Voltage designation

Symbols	Designation
$U_0$	The rate power voltage between conductor and earth or metallic screen for which the cable is designated
$U$	The rated power frequency voltage between conductor for which the cable designed
$U_m$	The maximum value of the highest system voltage which may be sustained under nominal operating conditions at anytime and at any point in the system. It excludes transient voltage conditions and rapid disconnection of loads.

Rated voltage is given table1.

Table1 Rated voltage

Rated voltage of cable			Maximum rated voltage of between conductor and earth or metallic screen*
$U_0$	$U$	$U_m$	
kV	kV	kV	kV
0.15	0.25	0.30	0.17
0.6	1	1.2	0.62
1.8	3	3.6	2.07
3.6	6	7.2	4.15
6	10	12	6.29
8.7	15	17.5	10.1
12	20	24	13.8
18	30	36	20.7

\*In the case of **three-phase A.C.**