## Power N Precision

Electrical Equipment Maintenance Frequencies - Based on CSA Z463-18 Guideline on Maintenance of Electrical Systems Table M.3							
Cable							
	1					Т	1
Legend: x = a test or inspection should be performed							
y = factory testing should be performed							
<ul> <li>= factory testing not required</li> </ul>							
n/s = not specified; testing frequency is at the discretion of user n/a = not applicable							
a/n = as needed							
	Type of equipment — Tests to						
	be performed		ed	Maintenance priority level, months			
		Medium - voltageXLPEcable	Medium - voltagePILCcable		ice	or t	
	e	eXLI	ePIL	δ	300d electrical practice	Optimized program for critical or severe-duty applications	
	ow - voltage cable	ltag	ltag	Minimal Frequency	alp	rogr	50
	tage	ov -	07 -	Frec	ctric	d pi r se	stin
	volt	É	É,	lal	ele	Optimized pr critical or sev applications	Factorytesting
	Ň	ediu	ediu	ini	poo	itica	ctor
Maintenance activities	Γο	Σ	Σ	Σ	Ğ	a c O	Fa
Visual inspection for physical damage	x	х	x	12	12	12	-
Inspection for overheating	х	х	х	12	12	12	-
Inspection for loose screws, nuts, and bolts	х	х	х	12	12	12	-
Inspection for shield grounding and cable support	x	x	x	12	12	12	-
Inspection of terminations and splices	х	х	х	12	12	12	-
Inspection for discoloured, cracked, or brittle insulation or jacket	х	х	х	12	12	12	-
Inspection for signs of corrosion, discoloration, and oxidation of metallic shield	x	x	х	12	12	12	-
Inspecting compression-applied or mechanical connections for correct cable match and indentation	x	x	х	12	12	12	-
Requiring specialized training, equipment, and safety precautions							
Continuity testing to confirm shield continuity and phasing		x	x	36	24	12	-
Sheath integrity test		х	х	36	24	12	у
Insulation resistance — dielectric absorption ratio (DAR) or polarization index (PI)		x	x	36	24	12	у
Contact resistance test for cablebus		x	x	36	24	12	у
Torque connections		x	x	36	24	12	у
Direct current (dc) hi-pot test		х	х	a/n	a/n	a/n	-
Tan delta test		х	х	36	24	12	у
Partial discharge (PD) test		х	х	36	24	12	у
Dielectric spectroscopy		х	х	a/n	a/n	a/n	-
Thermography	x	х	x	12	12	6	-
Fault location	х	х	х	a/n	a/n	a/n	-
(1) Prior to testing ensure that all requirements for safe access to the equipment are met [e.g., permits, safety hazard and risk analysi		<u> </u>			──	—	<u> </u>
(2) The information shown above is based on: CSA Z463-18 Guideline on Maintenance of Electrical Systems and is not necessarily ide	entical to t	the source	2.		L	<u> </u>	