

Material Composition for M50-901XX42

Product Information	
Part Number:	M50-901XX42
Part Description:	1.27mm pitch IDC Cable
Part Weight (g):	(0.347 * XX) + 0.196

Process Data	
Peak Reflow (Deg. C)	n/a
Termination Finish	n/a
RoHS Compliant? (Y/N)	Yes

Note: Tin plating is subject to 1,000ppm max Lead impurity.

Homogeneous Material Location	Weight (g)	Tolerance	Substance Name	CAS #
Female Contacts - Phosphor Bronze	0.0142 * XX	5%	Copper	7440-50-8
	0.00095 * XX	1%	Tin	7440-31-5
	0.000028 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.00003 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000016 * XX)g max	Iron (impurity only)	7439-89-6
Female Contacts - Plating	0	(0.000008 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.00076 * XX)g max	Other Impurities	
	0.000414 * XX	10%	Nickel	7440-02-0
	0.000002 * XX	30%	Gold	7440-57-5
	0.000118 * XX	10%	Tin	7440-31-5
Female Mouldings (total weight) Containing:	(0.0155 * XX) + 0.102	5%	30% GF PBT	
	(0.00775 * XX) + 0.051	5%	PBT	30965-26-5
	(0.00465 * XX) + 0.0306	5%	30% Glass Fibre	65997-17-3
	(0.000775 * XX) + 0.0051	5%	Antimony Trioxide	1309-64-4
	(0.00233 * XX) + 0.0153	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	
Male Contacts - Phosphor Bronze	0.026 * XX	5%	Copper	7440-50-8
	0.00173 * XX	1%	Tin	7440-31-5
	0.000052 * XX	0.5%	Phosphorus	7723-14-0
	0	(0.000056 * XX)g max	Zinc (impurity only)	7440-66-6
	0	(0.000028 * XX)g max	Iron (impurity only)	7439-89-6
Male Contacts - Plating	0	(0.000014 * XX)g max	Lead (impurity only)	7439-92-1
	0	(0.000138 * XX)g max	Other Impurities	
	0.00039 * XX	10%	Nickel	7440-02-0
	0.000004 * XX	30%	Gold	7440-57-5
	0.00033 * XX	10%	Tin	7440-31-5
Male Mouldings (total weight) Containing:	(0.0197 * XX) + 0.0935	5%	30% GF PBT	
	(0.00985 * XX) + 0.0468	5%	PBT	30965-26-5
	(0.00591 * XX) + 0.0281	5%	30% Glass Fibre	65997-17-3
	(0.000985 * XX) + 0.00468	5%	Antimony Trioxide	1309-64-4
	(0.00296 * XX) + 0.014	5%	Other Brominated Flame Retardants [ISO 1043-4 Code No: FR(17)]	
Cable - Conductor	0.0911 * XX	5%	Copper	7440-50-8
Cable - Conductor plating	0.000118 * XX	10%	Tin	7440-31-5
Cable - PVC insulation (total weight) Containing:	0.176 * XX	10%	PVC Insulation	
	0.0882 * XX	10%	PVC	9002-86-2
	0.0416 * XX	10%	Plasticizer	28553-12-0
	0.0309 * XX	10%	Calcium Carbonate	471-34-1
	0.00494 * XX	10%	Calcium Stearate	1592-23-0
	0.00441 * XX	10%	Polyethylene	9002-88-4
	0.00635 * XX	10%	Other	

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On behalf of:

